

Vol. XXI

No. 13

Dissertation Abstracts

**INDEX TO
AMERICAN DOCTORAL
DISSERTATIONS**

1960-1961

UNIVERSITY MICROFILMS, INC.
Ann Arbor, Michigan 1961



DOCTORAL DISSERTATION SERIES

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Auburn University	New Mexico State University
Boston University (including Schools of Education and Theology)	New School for Social Research
Bradley University	New York University (including School of Education)
Brandeis University	State University of New York, College of Ceramics at Alfred
Brigham Young University	University
Polytechnic Institute of Brooklyn	The University of North Carolina
Brown University	North Carolina State College
Bryn Mawr College	North Texas State University
The University of Buffalo (including School of Education)	Northwestern University
Case Institute of Technology	University of Notre Dame
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Universidad de Chile, S. A. (School of Economics)	The Ohio State University
University of Cincinnati (including School of Education)	The University of Oklahoma
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University of Colorado	Oregon State University
Colorado State College	University of the Pacific
Colorado State University	Pacific School of Religion
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University of Delaware	Princeton University
University of Denver	Princeton Theological Seminary
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Emory University	University of Redlands
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Harvard University (Department of Chemistry)	St. Louis University
University of Hawaii	University of South Carolina
University of Houston	State University of South Dakota
Howard University	South Dakota State College
University of Idaho	University of Southern California
University of Illinois (including Chicago Professional Colleges)	Southern Illinois University
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Institutum Divi Thomae Foundation	Syracuse University
State University of Iowa	Temple University (including School of Education)
Iowa State University of Science and Technology	The University of Tennessee
The Johns Hopkins University	The University of Texas
University of Kansas	Texas Technological College
Kansas State University	Tulane University
University of Kentucky	Union Theological Seminary in the City of New York
Lehigh University	University of Utah
Louisiana State University	Utah State University
University of Maine	Vanderbilt University
Marquette University	University of Virginia
University of Maryland	Virginia Polytechnic Institute
University of Massachusetts	University of Washington
University of Miami	Washington State University
University of Michigan	Washington University
Michigan State University	Wayne State University
University of Minnesota	The University of Wisconsin
	Yale University
	Yeshiva University (including School of Education and Sue Golding Graduate Division of Medical Sciences)

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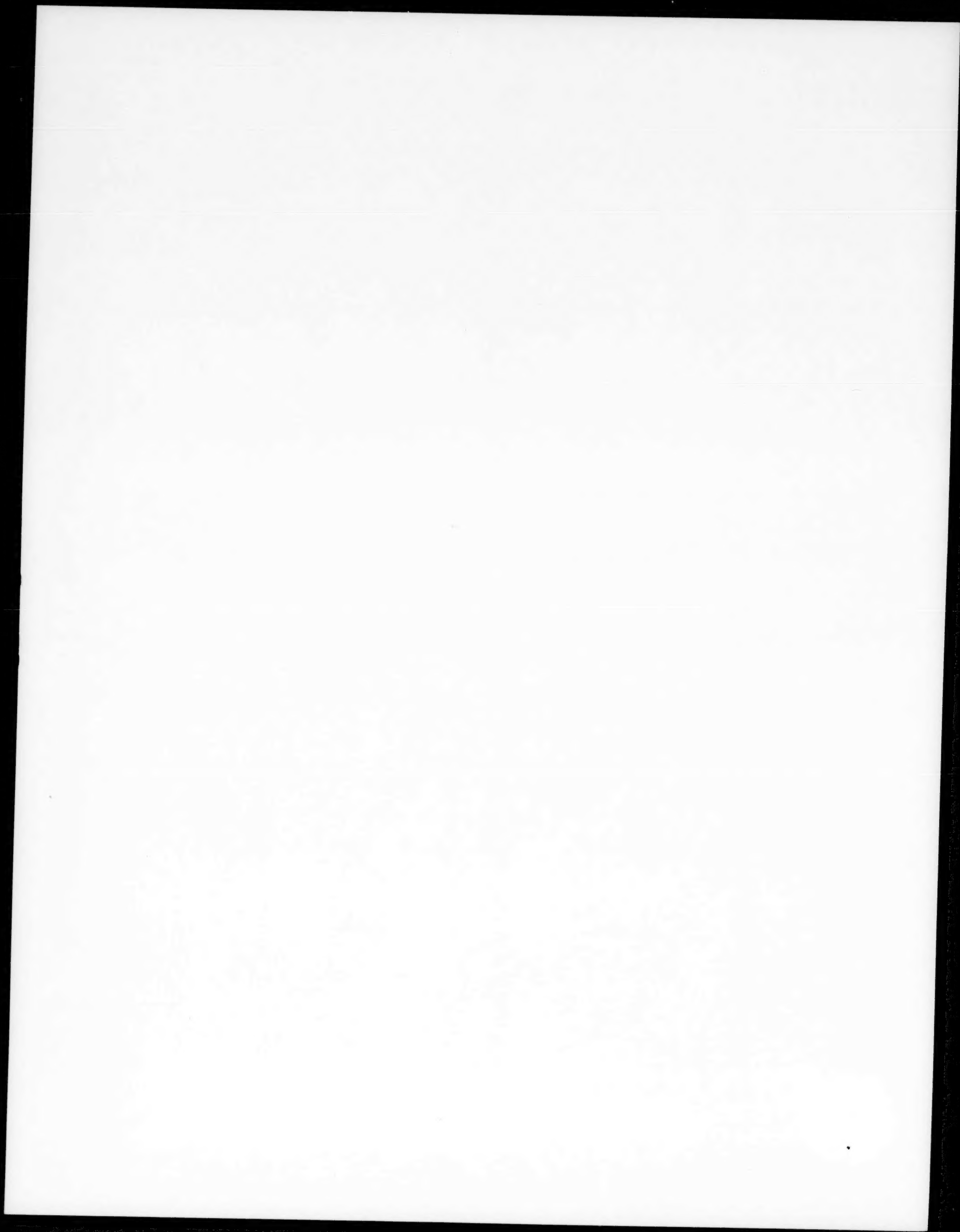
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INTRODUCTION

DISSERTATION ABSTRACTS is a monthly compilation of abstracts of doctoral dissertations submitted to University Microfilms, Inc. by more than 100 cooperating institutions. Some institutions do not send all of their doctoral dissertations. Also, the various institutions began using the doctoral dissertation program at different times. For instance, some who entered the program this year decided to publish their earlier dissertations; other schools have used the program for publishing only those dissertations that were ready at the time of entry or later. Only those dissertations which are released to University Microfilms can be abstracted in DISSERTATION ABSTRACTS. Copies of the complete text may be purchased either on microfilm or as enlarged prints. An annual author index is issued at the end of each volume.

INDEX TO AMERICAN DOCTORAL DISSERTATIONS is a complete listing of all doctoral dissertations accepted by American and Canadian universities. It is compiled from commencement programs issued by the universities and the success of each issue depends on the cooperation of these universities. It includes a number of dissertations which are not included in DISSERTATION ABSTRACTS, as well as a number which will be carried in later issues. This is published on a school-year basis and is arranged by subject categories and institutions. An author index is an integral part of each publication. For further information, please write directly to University Microfilms.

During the academic year 1960-1961, 10,343 doctoral dissertations were reported by American universities. This is an increase of 416 over the previous academic year, and again is a record number.

A check of the doctoral degrees granted, by broad subject fields, shows that the percentage of students in the various categories remains fairly constant from year to year. A ten-year summary of degrees granted is given below:

	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
Philosophy	92	131	104	100	96	96	104	123	137	159
Religion	184	206	152	138	140	159	180	184	235	202
Physical Sciences	2281	2410	2417	2397	2383	2331	2384	2833	2788	3353
Earth Sciences	198	227	239	232	413	231	249	285	324	725
Biological Sciences	2027	2338	2509	2480	2157	2146	2233	2084	2483	1737
Social Sciences	2160	2520	2745	2657	2649	2576	2813	2890	2956	3145
Humanities	719	772	834	808	861	824	836	896	1004	1022
Totals	7,661	8,604	9,000	8,812	8,699	8,363	8,799	9,295	9,927	10,343

Table II gives a more detailed distribution.

Following the List of Current University Serial Publications Abstracting Dissertations is Table I, which details the Practices of Publication and Loan of Doctoral Dissertations. Several of the institutions listed began cooperating in the publication of microfilmed dissertations and the abstracting of these in DISSERTATION ABSTRACTS during the year. New participants in the cooperative project are:

Arizona State University	University of Massachusetts
Brandeis University	New School for Social Research
Brigham Young University	Oklahoma State University
The Catholic University of America	Pacific School of Religion
Columbia University Teachers College	Rice University
University of Idaho	The University of Rochester
University of Maine	Southern Illinois University
Marquette University	Stevens Institute of Technology

Table III gives the distribution of doctoral degrees granted, by university and subject. By comparing the 1960-1961 interests with those of previous years, small shifts in emphasis and the beginnings of trends can sometimes be noticed.

LIST OF CURRENT UNIVERSITY SERIAL PUBLICATIONS ABSTRACTING DISSERTATIONS

- University of Arkansas Abstracts of dissertations presented in partial fulfillment of requirements for the Ph.D. and Ed.D. degrees. v. 1 (1959), 1953-1958
- Auburn University Abstracts of masters theses and doctors dissertations. (Only issues since 1954-55 have included doctors abstracts.) v. 1 (1946), 1929-1944
- Case Institute of Technology Research at Case: projects, thesis abstracts, faculty publications. v. 1, 1953-
- The Catholic University of America Biological studies, abstract series, 1954-
Studies in economics, abstract series, 1951-
Studies in sociology, abstract series, 1951-
Studies in politics, government and international law, 1953-
Philosophical studies. (In addition to abstract series number, abstracts are also given number of regular series.) 1953-
- University of Cincinnati, Teachers
College Abstracts: graduate theses in education. v. 1, 1927/1931
- Clark University Dissertations and theses. Clark University Bulletin. v. 1, 1953-
- Clemson Agricultural College Clemson College abstracts of theses. v. 1, 1959-
- Colorado State College Abstracts of field studies for the degree of doctor of education. v. 1, 1940-
- The University of Florida Abstracts of doctoral studies in education. v. 1, 1952-
- The General Theological Seminary Bulletin of The General Theological Seminary, June issue. v. 1, 1950-
- George Peabody College for Teachers Abstracts of dissertations for the year ____
- George Washington University Summaries of doctoral dissertations. v. 1, 1925-1928
- Georgia Institute of Technology Abstracts of theses (issued by Georgia Institute of Technology, Graduate Division). v. 1 (1953), 1950/1952
- Illinois Institute of Technology Publications of Illinois Institute of Technology. v. 1, 1952-
- Institute of Paper Chemistry,
affiliated with Lawrence College Abstract bulletin of the Institute of Paper Chemistry. v. 1, 1930-
- Massachusetts Institute of Technology Abstracts of theses accepted . . . for doctors degree with a list of titles accepted for the engineers degree and masters degree. v. 1, 1951-
(Not published 1954/55, 1957/58.)
- Mississippi State University Library publications. Covers abstracts, theses and dissertations. v. 1, 1935-
- University of Missouri Abstracts of dissertations in education. v. 1, 1938-
- New York University, School of
Education Abstracts of theses submitted in partial fulfillment of the requirements for the degree of doctor of philosophy in the School of Education of New York University. 1930/31-1950/51-
- S.U.N.Y., College of Forestry at
Syracuse University Graduate theses. v. 1 (1955), 1944-54
- North Carolina State College Faculty publications and research together with abstracts of doctoral dissertations and masters theses. v. 1 (1953), 1950-52
- University of North Dakota Abstracts of doctoral dissertations and masters theses. v. 1, 1952-
- Ohio University Abstracts of theses and dissertations. v. 1, 1939-
(Devoted to masters theses until 1959.)
- University of Oregon
University of Oregon Medical School } . Oregon. State Board of Higher Education. Graduate theses. 1932/42
Oregon State University
- St. John's University Abstracts of dissertations. v. 1, 1941-
- St. Louis University Publications and research in progress of faculty members and graduate students. (Annual report to the president.) 1946/47-
- Agricultural and Mechanical
College of Texas Abstracts of dissertations for the degree of doctor of philosophy. v. 1 (1956), 1940-1955
- Texas Technological College Theses accepted by Texas Technological College. v. 1, 1956-
- University of Utah Abstracts of doctoral dissertations. v. 1, 1959-
- Western Reserve University Bibliography of publications by members of the faculties and abstracts of dissertations by graduate students of Western Reserve University, 1947-
- University of Wyoming University of Wyoming publications. v. 1, 1929-

PUBLICATION, PRESERVATION AND LENDING OF AMERICAN DOCTORAL DISSERTATIONS

The Association of Research Libraries has endorsed publication by microfilm and the publication of an abstract as one means of making dissertations available to scholars and research workers. Publication practices are found in Table I.

Many of the doctoral dissertations written each year are abstracted in *Dissertation Abstracts* and reproduced in full as positive microfilm or as xerographic enlargements printed on paper. Institutions cooperating in this project are listed separately on the inside front cover of *Dissertation Abstracts*. Generally speaking, dissertations of these institutions may be secured direct from University Microfilms.

Graduate schools not requiring the publication of their dissertations will usually lend these on interlibrary loan. Inquiries for such dissertations should be addressed to the holding institution through a reference library.

TABLE I

Practices of Publication and Loan of Doctoral Dissertations, 1960-1961

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
Adelphi College	No	No	No	2	Yes	No
The University of Akron	No	Yes ¹	No	2	No	
University of Alabama	No	Yes ¹	No	2	Yes	
University of Alaska	No		No	3	Yes	
University of Alberta			No information received.			
Alfred University			No information received.			
The American University	No	Yes ¹	No	1	No	No
University of Arizona	No	Yes ¹	No	2	Yes	Yes
Arizona State University		¹	No information received.			
University of Arkansas	No	Yes ¹	Yes	2	Yes	No
Auburn University	No	¹	Yes	2	Yes	
Baylor University	No		No	1	Yes	

¹Cooperates with University Microfilms, Inc., Ann Arbor, Mich. For additional information see "Introduction" in issues of *Dissertation Abstracts*.

²Except in Teachers College.

³With author's consent.

⁴Except when submission in typed form is unacceptable.

⁵If no microfilm copy is available.

⁶Can usually supply microfilm copy.

⁷In final examination programs.

⁸Microcard.

⁹Up to 1959, yes. Thereafter, no.

¹⁰Only if out of print.

¹¹One copy only in School of Education.

¹²When available.

¹³Not always enforced.

¹⁴Photo copies are available.

¹⁵Two copies of Ed.D. dissertations.

¹⁶Two copies if not microfilmed.

¹⁷Sciences, yes. Humanities, no.

¹⁸Two copies prior to 1953.

¹⁹Requires microfilm publication as of 1961.

²⁰Only for Ed.D. degree.

²¹Not systematically.

²²Occasionally in "La Revue de l'Université Laval," "Laval Théologique et Philosophique," "Archives de Folklore."

²³Abstracts only.

²⁴Prior to 1955 only.

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
Bible Baptist Seminary			No information received.			
Bob Jones University	No		No	2	Yes	
Boston College			No information received.			
Boston University (Graduate School)	No	No ¹	No	1	No	No
Boston University (School of Education)	No	Yes ¹	Yes ²¹	3	Yes	No
Boston University (School of Fine and Applied Arts)			No information received.			
Boston University (School of Theology)		Yes ¹	No	1	Yes	
Bradley University	No	Yes ¹	No	2	Yes ⁵	No
Brandeis University	Yes	Yes ^{1,19}	No	2	Yes	Yes
Brigham Young University			No information received.			
University of British Columbia	No		No	2	Yes	
Polytechnic Institute of Brooklyn	Yes	No ¹	Yes	1	Yes ⁵	
Brown University	No	Yes ¹	No	1	No	No
Bryn Mawr College	Yes	Yes ¹	No	1	Yes ³	Yes
The University of Buffalo	No	Yes ¹	No	3	Yes	
University of California, Berkeley	No	No	No ⁷	1	No ⁸	No ⁶
University of California, Davis	No	Yes	No	1	No	No
University of California, Los Angeles	No	No ⁴	Yes	2	Yes	
California Institute of Technology	No	No	No	2	Yes	No
Carnegie Institute of Technology	Yes	No	No	2	Yes	Yes
Case Institute of Technology	No	Yes ¹	Yes	2	No	
The Catholic University of America	Yes	No ¹	Yes	1	No ⁹	No ¹⁰
University of Chicago	No	Yes	No	1	No	No
Chicago Lutheran Theological Seminary			No information received.			
University of Cincinnati	No	Yes ¹	No ²	2	Yes ⁵	Yes
The Claremont Graduate School	No	Yes ¹	No	2	Yes	No
Clark University	No	Yes ¹	No	1	Yes	No
Clemson Agricultural College	No		Yes	1	Yes	
University of Colorado	No	Yes ¹	Yes	1	Yes ²⁴	No
Colorado State College	No	Yes ¹	No	2	Yes	No
Colorado State University	No	Yes ¹	No	2	No	
Colorado School of Mines	No	No	No	2	Yes	
Columbia University	No	Yes ¹	No	2	Yes	Yes
Columbia University Teachers College	No	Yes ¹	No	2	Yes	Yes ¹²
Concordia Seminary			No information received.			
The University of Connecticut	No	Yes ¹	No	2	Yes	No
Cornell University	No	¹	No	2	No	
Dallas Theological Seminary	No	No	No	2	Yes	No
University of Delaware	Yes	Yes ¹	No	3	Yes	No
University of Denver	No	Yes ¹	No	1	Yes	No
Drew University	No	Yes ¹	No	2	Yes	No
Dropsie College	Yes ¹³	Yes	No	2	Yes	Yes
Duke University		Yes ¹	No	2	Yes	
Duquesne University			No information received.			
Emory University	Yes	Yes ¹	No	2	Yes	No
Fletcher School of Law and Diplomacy	No	No	No	2	Yes	
The University of Florida	No	Yes ¹	Yes ²⁰	2	Yes	Yes ¹²
The Florida State University	No	Yes ¹	No	2	Yes	No
Fordham University	¹⁷	Yes ¹	No	2	Yes	No
The General Theological Seminary	No		Yes	1	Yes	
George Peabody College for Teachers	No ²³	Yes ¹	Yes	2	Yes	Yes ²³
George Washington University	No		Yes	3	Yes	
Georgetown University	No	Yes	No	1	Yes	
University of Georgia	No	Yes ¹	No	2	Yes	No
Georgia Institute of Technology	No	No	Yes	3	Yes	Yes
Grace Theological Seminary and Grace College			No information received.			
Hahnemann Medical College and Hospital			No information received.			

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
The Hartford Seminary Foundation	No	Yes ¹	No	3	Yes	Yes
Harvard University	No	¹	No	2	Yes	Yes ¹²
University of Hawaii	No	No ¹	No	2	No	No
Hebrew Union College—Jewish Institute of Religion	No	No	No	2	Yes	Yes
University of Houston	No	¹	No	1	No	
Howard University	No	Yes ¹	No	2	Yes	No
University of Idaho	No	Yes ¹	No	2	Yes	No
Iliff School of Theology			No information received.			
University of Illinois (including Chicago Professional Colleges)	No	Yes ¹	No	2	Yes ⁵	Yes
Illinois Institute of Technology	No	No	Yes	1	Yes	No
Indiana University, Graduate School	No	Yes ¹	No	2	Yes	No
Indiana University, School of Business	No	No	No	3	Yes	No
Indiana University, School of Music	Yes	No ¹	No	2	Yes	No
The Institute of Paper Chemistry	Yes	No ¹	Yes	0	No	Yes
Institutum Divi Thomae Foundation	No	¹	No	3	Yes	
State University of Iowa	No	Yes ¹	No	1	No	No
Iowa State University of Science and Technology	No	Yes ¹	No	2	Yes	Yes
Jefferson Medical College of Philadelphia			No information received.			
The Jewish Theological Seminary of America	No	No	No	1	No	No
The Johns Hopkins University	No	No ¹	No	2	Yes	No
University of Kansas	No	Yes ¹	No	2	Yes	Yes ¹²
University of Kansas City	No	No	No	2	Yes	
Kansas State University	No	Yes ¹	No	2	Yes	No
University of Kentucky	No	Yes ¹	No	2	Yes	No
Université Laval	Yes	No	Yes ²²	3	Yes	
Lawrence College	No	No	Yes	1	Yes	No
Lehigh University	No	Yes ¹	No	0	No	No
Loma Linda University	No	Yes	Yes	2	Yes	
Louisiana State University	No	No ¹	No	1	No	
University of Louisville	No		No	1	Yes	No
Lowell Technological Institute	No	Yes	No	2	No ¹⁴	
Loyola University	No		No	2	Yes	Yes
University of Maine	No	¹	No	1	Yes	
Marquette University		Yes ¹	Yes	0		
University of Maryland	No	¹	No	2	Yes	
University of Massachusetts	No	No ¹	No	1	Yes	No
Massachusetts College of Pharmacy			No information received.			
Massachusetts Institute of Technology	No	No	No	1	No	No ⁶
McGill University	No		No	2	Yes	
University of Miami		¹	No information received.			
University of Michigan	No	Yes ¹	No	1	Yes	No
Michigan College of Mining and Technology			No information received.			
Michigan State University	No	Yes ¹	No	1	Yes	Yes ¹²
Middlebury College	No		No	1	Yes	
University of Minnesota	No	Yes ¹	No	2	Yes	No
The University of Mississippi	Yes	Yes ¹	No	1	Yes ¹²	No
Mississippi State University	No	No	Yes	2	Yes	
University of Missouri	No	Yes ¹	Yes ²⁰	1		No
Montana State College	No		No	2	Yes	
Montana State University	No	Yes ¹	No	1	No	No
The University of Nebraska (including Teachers College)	No	Yes ¹	No	2	Yes ⁵	Yes
Ner Israel Rabbinical College			No information received.			
University of New Brunswick	No		Yes	2	Yes	
University of New Hampshire	No	Yes ¹	No	2	Yes	

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
The University of New Mexico	No	Yes ¹	No	2	Yes	No
New Mexico State University	No	Yes ¹	No	2	Yes	No
New Mexico Institute of Mining and Technology	No	Yes	No	3	Yes	
New Orleans Baptist Theological Seminary .	No	No	No	2	Yes	No
New School for Social Research	No	No	No	2	Yes	
New York Law School			No information received.			
New York Medical College			No information received.			
New York University	Yes	Yes ¹	No	2 ¹¹	Yes ⁵	Yes
State University of New York, College of Agriculture			No information received.			
State University of New York, College of Ceramics	No	No ¹	No	1	Yes	Yes
State University of New York, College of Forestry	No		Yes	2	Yes	
State University of New York, College of Home Economics			No information received.			
State University of New York, School of Industrial and Labor Relations			No information received.			
State University of New York, Downstate Medical Center	No	No	No	2	Yes	No
State University of New York, Upstate Medical Center			No information received.			
The University of North Carolina	No	Yes ¹	No	2	Yes ⁵	No
North Carolina College at Durham			No information received.			
North Carolina State College	No	¹	Yes	1	No	No
University of North Dakota	No	Yes	Yes	2	Yes	Yes ¹²
North Dakota Agricultural College			No information received.			
North Texas State College	No	Yes ¹	No	2	Yes	No
Northern Baptist Theological Seminary	No		No	2	Yes	
Northwestern University	No	Yes ¹	No	2	Yes	
University of Notre Dame	No	Yes ¹	No	2-3	Yes	No
Ohio University	No	Yes ¹	Yes	2	Yes	No
The Ohio State University	Yes	Yes ¹	No	2	Yes	No
The University of Oklahoma	No	Yes ¹	No	2	Yes	
Oklahoma State University	No	Yes ¹	Yes	2	Yes	
University of Oregon	No	Yes ¹	No	2	Yes	No
University of Oregon Medical School	No	No	No	2	Yes	No
Oregon State University	No	No ¹	No	2	Yes	No
University of the Pacific	No	¹	No	2	Yes	No
Pacific School of Religion	No	¹	No		Yes	
University of Pennsylvania		Yes ¹	No	2	Yes	No
The Pennsylvania State University	No	Yes ¹	No	2	Yes	No
Philadelphia College of Pharmacy and Science	Yes	No	No	1	No	Yes
University of Pittsburgh	No	Yes ¹	No	3	Yes	No
University of Portland	No	No	No	1	No	No
Potomac University			No information received.			
Princeton Theological Seminary	Yes	No ¹	No	2	Yes ⁹	No
Princeton University	No	Yes ¹	Yes	2	Yes ⁵	
Purdue University	No	Yes ¹	No	1	No	No
Radcliffe College	No	Yes	No	2	Yes	Yes ¹²
University of Redlands	No	No ¹	No	2	Yes	
Rensselaer Polytechnic Institute	No	Yes ¹	No	1	Yes ⁵	No
University of Rhode Island	No	Yes ¹	No	2	Yes	
The University of Rochester	No	No ¹	No	2	Yes	
The Rockefeller Institute	No	¹	No	2	Yes	
Rutgers University	No	¹	No	1	Yes ⁵	
St. Bonaventure University			No information received.			
St. John's University	No	No	Yes	2	Yes	

University	Printing Required	Accepts Micro- filming	Abstracts Published	MS Copies Supplied Library	Lends Typed Copies	Lends Printed Copies
St. Louis University	No	Yes ¹	No	2	Yes	No
St. Mary's College	No	No	No		No	No
St. Mary's Seminary and University	Yes	No	No	5	No	Yes
San Francisco Theological Seminary			No information received.			
Smith College	No		No	2	Yes	Yes
University of South Carolina	Yes	Yes ¹	No	2	Yes	Yes
Medical College of South Carolina	No	No	No	2	Yes	No
State University of South Dakota	Yes	Yes ¹	Yes ²⁰	2	Yes	No
South Dakota State College	No	Yes ¹	No	2	No	No
Southern Baptist Theological Seminary	No	No	No	2	Yes	
University of Southern California	No	Yes ¹	No	1 ¹⁵	Yes ⁵	
Southern California School of Theology	No	No	No	1	Yes	No
Southern Illinois University		1	No information received.			
Southern Methodist University			No information received.			
Southwestern Baptist Theological Seminary	No	Yes	No	2	Yes	No
Springfield College	Yes	Yes ⁸	No	3	Yes	No
The Staley College of the Spoken Word			No information received.			
Stanford University	No	No ¹	No	3-4	Yes ⁵	No
Stevens Institute of Technology			No information received.			
Syracuse University	No	Yes ¹	No	1	Yes	No
Temple University	No	Yes ¹	No	2	Yes	No
The University of Tennessee	No	No ¹	No	1 ¹⁶	Yes	No
The University of Texas	No	Yes ¹	No	2	Yes	No
Agricultural and Mechanical College of Texas	No	No	Yes	2	Yes	Yes
Texas Technological College	No	Yes ¹	Yes	2	Yes	
Texas Woman's University	No		No	2	Yes	
University of Toronto	Yes	No	No	2	Yes	No
Tufts University	No	No	No	2	Yes	
Tulane University	No	Yes ¹	No	1		No
Tulane University Medical School	No	Yes	No	2	Yes	No
University of Tulsa	No	No	No	2	Yes	No
Union College and University	No	Yes	No	2	Yes ⁵	No
Union Theological Seminary (New York)	No	1	No	1	Yes	
Union Theological Seminary in Virginia	No	No	No	2	Yes	
U.S. Naval Postgraduate School			No information received.			
University of Utah	Yes	No ¹	Yes	2	No	No
Utah State University	No	No ¹	No	1	Yes	No
Vanderbilt University	No	Yes ¹	No	2	Yes	No
University of Vermont	No	Yes	No	3	Yes	No
University of Virginia, Graduate School	No	Yes ¹	No	2	No	
University of Virginia, School of Education	No	No ¹	No	2	Yes	
University of Virginia, School of Engineering	No	Yes	No	2	Yes	No
University of Virginia, Law School			No information received.			
Medical College of Virginia	No	No	No	1	Yes	
Virginia Polytechnic Institute	No	Yes ¹	Yes	2	Yes	Yes
Washington University	No	Yes ¹	No	1 ¹⁸	Yes	
University of Washington	No	Yes ¹	No	2	Yes	
Washington State University	No	Yes ¹	No	2	Yes	No
Wayne State University	No	No ¹	No	2	Yes	No
West Virginia University	No		No	2	Yes	Yes ¹²
Western Reserve University	No	No	Yes	2	Yes	
William Marsh Rice University	No		No	3	Yes	
The University of Wisconsin	No	Yes ¹	No	1	Yes	
Women's Medical College of Pennsylvania			No information received.			
Woodstock College	Yes	No	No	1	No	Yes
Worcester Polytechnic Institute	No		No	2	Yes	No
University of Wyoming	No	No	Yes	2	Yes	Yes
Yale University	No	No ¹	No	2	Yes	No
Yeshiva University	No	No ¹	Yes	1	Yes	Yes

STATISTICAL TABLES

A ten-year comparative tabulation of doctoral dissertations by subject fields is shown in Table II.

Table III gives an analysis by universities and by subjects for the current year. Such tables were compiled also for the preceding volumes in this series. In the American Council on Education's *American universities and colleges*, 3d ed. (p. 54-75) will be found similar tables for the years 1925-35.

In order to avoid misinterpretations, it must be made clear that the lists in this series are not limited to dissertations written for the Ph.D. degree, but that dissertations written for other kinds of doctoral degrees, e.g. in Education, Science, Jurisprudence, Canon Law and Theology, are also included.

SYMBOLS AND ABBREVIATIONS

Indicates dissertations accepted prior to academic year covered by this volume, but not previously reported. These titles are not counted in the statistical tables.

TABLE II
DISTRIBUTION OF DOCTORATES FOR THE YEARS
1952-1961

	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
Philosophy	92	131	104	100	96	96	104	123	137	159
Religion	184	206	152	138	140	159	180	184	235	202
Astronomy	13	20	18	17	24	9	23	20	16	17
Biophysics								18	16	16
Chemistry	1101	1164	1169	1150	970	1016	1231	1272	1370	1425
Engineering	387	395	383	378	572	492	605	668	790	923
Mathematics	204	230	233	249	256	240	245	295	294	327
Metallurgy	73	61	66	75	27	70	1	1	1	1
Physics	503	540	548	528	534	504	529	560	582	645
Geography	33	37	46	52	58	47	60	55	66	53
Geology	115	138	130	131	145	152	162	206	228	205
Geophysics	16	11	20	17	12	2	2	2	2	2
Meteorology	12	15	13	6	7	24	2	2	2	2
Mineralogy	11	9	12	8	9	8	8	16	7	17
Oceanography								8	7	5
Paleontology	11	17	17	18	6	3	3	3	3	3
Agriculture	147	179	225	216	176	206	345	407	437	445
Anatomy	32	47	42	40	35	26	31	36	31	40
Bacteriology	231	281	329	298	189	119	134	101	97	113
Biochemistry	260	307	322	335	307	205	4	4	4	4
Biology—Genetics							160	146	196	152
Botany	110	149	144	130	154	164	133	140	151	145
Entomology	87	81	98	99	41	5	5	5	5	5
Food Technology							31	40	39	30
Genetics	48	60	55	65	89	124	6	6	6	6
Health Sciences							56	72	152	100
Horticulture	45	66	67	65	114	152	7	7	7	7
Medicine & Surgery	78	69	52	65	29	46	8	8	8	8
Microbiology								44	49	37
Pharmacology	75	86	96	90	104	67	57	58	68	68
Physiology	116	124	131	130	126	134	144	115	92	114
Psychology	636	676	735	740	727	569	628	687	634	666
Public Health	7	17	9	17	22	23	8	8	8	8
Zoology	155	196	205	190	220	261	284	237	273	272
Anthropology	37	37	53	44	44	62	48	54	63	46
Economics	439	408	502	478	429	381	472	462	494	548
Education	1077	1371	1438	1409	1418	1333	1485	1503	1440	1554

	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
History	222	263	289	254	284	330	332	354	375	393
Home Economics	7	4	11	8	10	58	23	16	28	30
International Law & Relations .	38	28	52	49	54	59	9	9	9	9
Law	17	12	13	13	23	22	22	14	16	17
Library Science	6	7	3	7	14	8	19	9	22	20
Political Science	142	196	162	167	203	141	193	226	246	248
Social Psychology							44	39	76	74
Sociology	175	194	222	228	170	182	175	213	196	215
Art & Archaeology	32	25	31	40	33	35	10	10	10	10
Biography							7	3	6	7
Fine Arts							49	41	39	48
Folklore							2		3	5
Journalism							8	14	21	18
Language & Literature, General	8	9	15	10	64	183	214	264	254	309
Language & Literature, Classical	39	28	42	36	23	24	29	24	28	39
Language & Literature, Linguistics						33	59	45	56	47
Language & Literature, Modern						332	263	250	298	252
Literature, English	279	342	355	345	319	11	11	11	11	11
Literature, Romance	133	144	124	119	148	11	11	11	11	11
Literature, Germanic	44	34	55	30	51	11	11	11	11	11
Literature, E. European	16	14	9	17	11	11	11	11	11	11
Literature, Oriental	24	15	24	19	26	11	11	11	11	11
Music	48	53	62	62	84	89	96	101	138	145
Speech—Theater	96	108	117	130	103	128	109	154	161	152
Totals	7,661	8,604	9,000	8,812	8,699	8,363	8,799	9,295	9,927	10,343

¹Included in Engineering.

²Included in Physics.

³Omitted as a separate field.

⁴Included in Chemistry.

⁵Included in Zoology.

⁶Included in Biology-Genetics.

⁷Included in Agriculture.

⁸Included in Health Sciences.

⁹Included in Political Science.

¹⁰Included in Fine Arts or History, Archaeology.

¹¹Included in other branches of Language and Literature.

[illegible]

TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1960-1961
(Continued)

[illegible]

TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1960-1961
(Continued)

[illegible]

[illegible]

TABLE III
DISTRIBUTION OF
DOCTORATES FOR THE
YEAR 1960-1961
(Continued)

[illegible]

Doctoral Dissertations, 1960-1961

AGRICULTURE

GENERAL

University of California, Berkeley

ARKLEY, Rodney John. The water balance approach to the study of soil-climate relationships.

ARKLEY, Thomas Harry. Sulfur compounds of soil systems.

University of California, Davis

LEWIS, Ted Edwin. The nature and properties of cation-exchange sites in the soil organic fraction.

PUGH, Albert Lee. Evaluation of iron (III) adsorption by montmorillonite systems.

University of California, Los Angeles

BEN-YEHOSHUA, Shimshon. The induction of the ripening process in avocado fruit.

Cornell University

ANNIS, William Henry. The needs of dairy farmers in agricultural mechanics in selected dairy counties of New York.

JONES, Robert Carroll. Determining the training needs for selected agricultural occupations in Massachusetts and the role of vocational agriculture in meeting these needs.

JUDD, Laurence Cecil. *Chao Rai*: Dry rice farmers in northern Thailand.

KEARNEY, Philip Charles. Exclusion of air as a factor affecting the quality of alfalfa silage.

The University of Florida

LONG, Franklin Leslie. Biological availability of nitrogen in certain condensation products of the reaction of urea with formaldehyde.

MALIK, Mohammad Nawaz. The contribution of soil nitrogen to the nitrogen requirements of crops on Florida soils.

University of Illinois

JELLUM, Milton Delbert. Histological and morphological study of certain culm characteristics in relation to lodging of ten oat varieties.

SIMPSON, Daniel Martin Henry. Transformations and effects of urea when applied as a solution to some Illinois soils and various grass sods.

Iowa State University of Science and Technology

ALLMARAS, Raymond Richard. Comparative value of calcium metaphosphate and superphosphate for plant growth on different soils.

FOSTER, James Riley. Effect of nutrition on carcass leanness in swine.

PARSONS, Roger Bruce. Soils of Indian mounds in northeast Iowa as soil genesis benchmarks.

SANFORD, Lind Lee. Comparative evaluation of clones as testers for yield, specific gravity and tuber appearance in the potato.

SIMS, John L. Nitrogen immobilization and decomposition of crop residue in soil as affected by residue particle size.

SUTHERLAND, William Neil. Efficiency of legume residue nitrogen and inorganic nitrogen in corn production.

TAMBOLI, Prabhakar Mahadeo. The influence of bulk density and aggregate size on soil moisture retention.

Kansas State University

DENNIS, Everett James. Potassium ion fixation, equilibrium and lattice changes in vermiculite.

HUSSEIN, Ahmed Said Hamed. Amino acid composition of gluten and water-soluble fractions of wheat flour and its relationship to flour quality.

Louisiana State University

ROBICHAUX, Wayne E. A comparative analysis of the counselors' attitude, their prediction of the campers' attitude and the campers' attitude toward the Junior 4-H Camp Program, Louisiana, 1960.

Michigan State University

DANFORS, Lars Erick. A study of soil aeration during drainage using the platinum microelectrode technique.

ELLIS, Boyd Gene. The measurement of heats of reactions of soil components with a differential thermal analysis apparatus.

KINRA, Kundan Lall. Effects of seeding rate row spacing, rates and methods of application of fertilizer materials and soils moisture on small grain performance.

LEWIS, Trent Ronald. Amino acid metabolism by rumen microorganisms.

MCGILLIARD, A. Dare. Re-entrant duodenal fistria techniques application to the study of digestion and passage in the bovine alimentary tract.

MENON, Raman Gopinath. A study of the behavior of fused potassium phosphates in soil.

RONGEY, Elbert Harold. The effect of various binders and meats on the palatability and processing characteristics of bologna.

VYAS, Shankerlal Harilal. Whipped butter: manufacture, characteristics and gas chromatographic analysis of off-flavor compounds.

University of Minnesota

MISRA, Chandra Prakash. Studies on the relationship between *Sitotroga cerealella* Oliv. (Angoumois grain moth), *Plodia interpunctella* Hbn. (Indian meal moth) and storage fungi.

PYNE, Charles Herbert. Reconstitution of dry milk products.

Mississippi State University

PRASAD, Rajendra. Development of a chemical method for determining potentially available nitrogen in soils.

University of Missouri

CHASON, Mercer Lamar. A study of agricultural extension councils in Missouri, including development, responsibilities, and understanding of policies.

McDOWELL, Leslie Lee. An investigation of the surface chemistry of the micas.

SINHA, Shiva Shankar Prasad. Plant maturity as an index for timing spray applications for corn insect control.

SRIVASTAVA, Damodar Prasad. Germination studies in grain sorghum.

The University of Nebraska

TOSUN, Fahrettin. Botanical composition of prairie vegetation in relation to certain site characteristics and management practices.

New York University

WYNDER, William Richard. An evaluation of vocational education in agriculture in Delaware.

North Carolina State College

LEWIS, Russell Jay. Some aspects of the chemistry of radiostrontium in soils.

NELSON, Lawrence Alan. Evaluation of properties and yield potentials of some important Atlantic Coastal Plain soils.

RIVENBARK, William Lanier. The rates and mechanisms of manganese retention and release in soils.

WELCH, Charles Darrel. A study of the mineralizable nitrogen fraction of selected North Carolina soils and its relation to crop responses to applied fertilizer nitrogen.

WIESE, Richard Anton. Soil properties and chemical methods relating to the availability of potassium in selected Southeastern Piedmont and mountain soils.

The Ohio State University

JONES, Joe Henton. The effect of cropping systems on aggregate stability, organic matter content, and moisture retention in soils.

RICHARDS, Graydon Edward. Potassium fixation and release of potassium from soils to crops and to chemical extractants.

STUCKEY, Roy Joe. Some effects of intramuscular injections of testosterone propionate on the gross chemical composition of milk.

WALDRON, Acie Chandler. Identification and characterization of organic nitrogen, organic phosphorus, and fluorescent compounds in electrophoretic separates of soil organic matter.

Oregon State University

AL-JIBURY, Fali Khidir. Saturated water permeability of soils as related to air permeability at different moisture tensions.

CARTER, David La Vere. Increases in exchangeable potassium upon drying of soils and clays.

DAWSON, Jean Howard. The effect of EPTC on barnyard grass.

JENNE, Everett Arthur. Mineralogical, chemical and fertility relationships of five Oregon coastal soils.

POMERENING, James Albert. A test of the differentiation of the soil series within the Willamette Catena.

Purdue University

BEARD, James Bashore. Environmental influences on the variation in non-protein nitrogen levels of *Agrostis palustris*.

BROWN, John Adrian Murray. Evaluation of certain morphological and chemical characteristics in relation to palatability in *Phalaris arundacea* L.

CUMMINGS, George August. The influence of nitrogen and potassium fertilizer on the nitrogenous constituents and malate content of orchardgrass.

DOUGLAS, Charles Francis. Some environmental factors influencing plant development and ear placement of sweet and dent corn.

EASTIN, Jerry D. Seasonal variation in activity of naturally occurring growth regulators in brome grass, *Bromus inermis* Leyss.

GRIFFITH, William Kirk. Nitrogen-potassium ratios, clipping height and clipping frequency as variables influencing yield, persistence and chemical composition of orchard grass.

GUPTA, Umesh Chandra. The influence of different cropping schemes on the amino acid content, total nitrogen, and total carbon content of soil.

JOHNSON, Malcolm Julius. The influence of several environmental factors on node bending of certain soft red winter wheat varieties.

MARTZ, Fredric Allen. The digestibility of alfalfa and brome grass.

PARR, JR., James Floyd. Organic matter decomposition as influenced by oxygen level and flow rate of different gasses in the constant aeration method.

SOR, Kamil Mehmet. Effects of rainfall energy on some physical properties of soils.

WALKER, John Martin. Uptake of potassium and rubidium by corn plants.

WILKINSON, Stanley Ralph. Soybean root morphology and physiology as influenced by nitrogen and phosphorus fertilization.

Rutgers University

DE SILVA, John Arthur Frederick. Physico-chemical properties and behavior of clay-organic-complexes.

DOUGLAS, Lowell A. A pedologic study of tundra soils from northern Alaska.

GAUNYA, William Stephen. The heritability of resistance to bovine mastitis.

HURWITZ, Shmuel. Studies on calcium and phosphorus metabolism in the chicken.

MARLATT, William Edgar. Some aspects of the interactions of the plant, soil, and climate on the rate of evapotranspiration.

POST, Theodore Beemer. Methods of determining secretion rates in dairy cattle.

ROSENBERG, Norman J. The effect of compaction on the physical condition of several soils and on the growth of plants.

SANSLONE, William Robert. The effect of nutritional and disease stress on nitrogen retention in the immature fowl.

TISDELL, Thomas Fort. A life cycle study of horse nettle (*Solanum carolinense*).

ULRICH, Valentin. The relative efficiency of ear-to-row selection and convergent improvement breeding in the development of superior sweet corn inbreds and their hybrids.

VOGEL, James Alan. Studies on cardiac output in the chicken.

Agricultural and Mechanical College of Texas

WILSON, David George. Characteristics of a southern Arizona desert grassland soil related to mesquite invasion.

Utah State University

BOX, JR., James Ellis. The influence of soil compaction upon the thermodynamics of soil moisture.

CARY, John W. The interaction of heat and water flow in soil.

NAGMOUSH, Samir Ramzy. Influence of compaction and freezing on the structure and permeability of some selection horizons from northern Utah soils.

SOMMERFELDT, Thereon Gale. Effect of anions on the sodium adsorption capacity and electrophoretic mobility of sodium saturated Utah bentonite.

The University of Wisconsin

BROOKS, Robert Franklin. Virus-vector studies of sour cherry viruses in Wisconsin.

COFFINDAFFER, Billy Lee. Experiences of beginning cooperative extension agents and their implications for an induction training program.

DAIL, Howard Meredith. Advisors' perception of changes in extension communication methods in five fast growing and five slow growing California counties.

FACK, Hans Jurgen. Nitrogen losses in gaseous form from different soils as affected by management.

GRIFFITH, Paul Wilson. Formula feed operators' perception of the Kansas agricultural extension service.

HARRIS, Charles Ronald. Factors affecting the volatilization of insecticides from soils.

HOLLEY, Andrew Leon. An analysis of the organizational growth of the Arkansas cooperative extension service.

KRUEGER, Harvey Richard. Metabolism as a factor in the selectivity of certain organophosphate insecticides.

LACY, Micajah Pennington. The effects of involvement on the participants in cooperative extension program planning in Wau-paca County, Wisconsin.

LOEWENSTEIN, Duane Evan. An analysis of selected human relations factors relative to county personnel in the Nebraska cooperative extension service.

SAUNDERS, James Robert. Studies on the etiology and pathogenesis of shipping fever.

SESSING, John Roy. The physical and chemical properties of soils and growth of plants as affected by irrigation with sewage effluent.

SHARRATT, Warren James. Whey. Its effect on soil and plant growth.

ANIMAL CULTURE

University of California, Davis

DUNGWORTH, Donald Lawrence. The role of a virus of the psittacosis-lymphogranuloma venereum group in the pathogenesis of ovine pneumonia.

McFARLAND, Larry Zane. Hypothalamo-adenohypophysial control of reproduction in the ram.

McMARTIN, Duncan Alexander. Immunological and histological response of the chicken to *Mycoplasma gallisepticum*.

PARKER, Harold Roosevelt. Relationships between the thyroid and adrenal glands of newborn dairy calves.

PIER, Allan Clark. *Nocardia asteroides* as a mammary pathogen of the bovine.

STORZ, Johannes. Etiological studies on epizootic bovine abortion.

The University of Connecticut

DICKS, Martha Wilcox. Methods of analysis and of determining the relative biopotencies for alpha-tocopherols.

Cornell University

ABERNATHY, Richard Paul. Studies on the nutrient requirements of mink.

CAREW, JR., Lyndon Belmont. Studies of the effects of dietary vegetable oils on growth rate, energy intake, tissue composition and energy metabolism of chicks.

CASTILLO, Leopoldo Sanchez. Factors affecting solids-not-fat of Guernsey milk.

CHALQUEST, Richard Ross. A study of pleuropneumonia-like organisms (PPLO) associated with synovitis in turkeys and chickens.

JONES, James Robert. The influence of date and method of harvesting of hay on lamb performance.

LISTER, Earle Edward. Effect of short-chain fatty acids on the heat production of cattle.

RAKES, Allen Huff. The effects of feeding equalized intakes to mature and immature sheep at different frequencies.

STAPLES, Robert Edward. The effect of luteal inhibition by oxytocin injections on embryo survival in the bovine.

VAN VLECK, Lloyd Dale. The value of part lactation records in selection.

WALLENTINE, Max VanNess. Part I. The value of pelleted roughages in rations for fattening beef cattle. Part II. The use of ultrasonics in the estimation of rib eye areas in live beef cattle.

The University of Florida

ALEXANDER, Robert Allen. Nutritive evaluation of forages for ruminants: animal performance, nutrient digestibility and volatile fatty acid production.

GOODE, Lemuel. The effect of level of energy on some reproductive phenomena of duroc gilts.

MEADE, JR., James Horace. Influence of heredity and environment on weaning and post-weaning weights in beef cattle.

VANDEPOPULIERE, Joseph Marcel. The phosphorus requirement of pigs from two to seven weeks of age.

University of Illinois

BURIC, John. Relationships between linear body measurements of live beef steers and carcass merit.

ESTERGREEN, JR., Victor Line'. Effects of adrenalectomy in the calf and some investigations of adrenal steroids in bovine blood.

OPEL, JR., Howard Leonard. Factors affecting follicular growth and ovulation in hypophysectomized hens.

TOLLETT, James Terrell. The available energy content of feedstuffs for swine.

Iowa State University of Science and Technology

BOVARD, Kenly Paul. Growth patterns in dwarf and normal Hereford calves.

DAVISON, Kenneth Lewis. Mineral and fat interrelationships as influencing ration utilization by lambs.

HUBER, John Talmage. Digestion and absorption of carbohydrates delivered directly to the bovine omasoabomasum.

LITTLE, Charles Oran. Significance of feed protein fractions in ruminant nutrition.

NEAGLE, Lyle Homer. Soya protein hydrolysates and supplemental enzymes in baby pig nutrition.

OWINGS, William James. Effect of protein source and amino acid supplementation on intestinal microflora and plasma amino acids of the chick.

SELL, Jerry Lee. Nitrogen retention and nitrogenous urine components of growing cockerels as influenced by diethylstilbestrol, methyl testosterone and porcine growth hormone.

TRENKLE, Allen Herman. Techniques for assaying circulating growth hormone in beef cattle.

WALTON, Robert Eugene. Results of selection for production in a Holstein herd.

WARNER, Donald Robert. Specific nutrient additions to green forages in the production of bloat in sheep.

ZIMMERMAN, Dean Roland. Calcium and phosphorus studies with baby pigs.

Kansas State University

ERICKSON, Bert Hazen. Quantitative and qualitative determinations of the estrogens of the bovine ovary.

MILLER, Byron Franklin. The influence of thyroxine upon certain blood constituents, heart characteristics, egg production and egg quality of normal and radio-thyroid-erecticized domestic fowl.

OLIVER, Fernando Luis. Coconut water as an extender for bovine semen at room temperature.

TINDELL, Lloyd Dale. General and specific combining abilities, maternal effects and genotype-environmental interactions as estimated from strain and breed crosses of chickens.

University of Kentucky

CHANEY, Charles Hugh. A study of a selected group of iron compounds and their hematinic properties for preventing baby pig anemia.

SIMPSON, Everett C. Semen production and fertility of rams following exposure to controlled ambient temperatures.

WHITE, Robert Harold. Selection indices for beef cattle.

WHITEKER, McElwyn Dale. Correlation of the various swine carcass cuts and measurements.

Louisiana State University

BERTRAND, Joseph Ezel. Nutritional evaluation of pastures with dairy cattle in Louisiana.

University of Maryland

DOWDIE, Walter Reid. A phage-fluorescent antiphage staining system for *Bacillus anthracis*.

POPE, Donald LeRoy. Studies involving dietary modifications for broiler chickens reared at different ambient temperatures.

University of Massachusetts

HOWE, George Richard. The reproductive development of the prepuberal bovine female.

McGill University

DONEFER, Eugene. The use of an *in vitro* rumen fermentation procedure to predict the nutritive value of forages.

FRIEND, Douglas Walter. Studies on the suitability of some Newfoundland marine products in mink nutrition.

Michigan State University

CARDENAS, Francisco A. Genetic systems for reaction of field beans (*Phaseolus vulgaris* L.) to infection by three races of *Colletorichum lindemuthianum*.

CRAIG, Harris Bradford. Fractionation of the component (S) responsible for sex odor in pork.

ESSARY, Eskel Oren. The influence of added fat and protein in broiler rations on growth rate, dressing percentages, and other carcass characteristics.

HEANEY, David P. Effects of marginal vitamin A intake during gestation in swine.

HICKS, Floyd W. The influence of date of hatch on length of lay, egg size distribution and selected egg quality changes in a commercial laying flock.

LANE, John Perry. Spectrophotometric estimation of metmyoglobin in frozen meat extracts.

LEE, Kyer Yawp. Costs and efficiency of designated poultry processing plants in Michigan.

MAKARECHIAN, Mahmoud. Factors affecting the yearling productive traits in beef cattle.

MORROW, Ralph E. Blood fat levels in swine.

PRICE, James Franke. The use of ultrasound in mean animal.

RICE, Richard Warren. The relation of certain end products of rumen fermentation to forage feeding value.

SPRAGUE, James I. Growth and development of the swine fetus. 1. Measures of body size, organ weights and skeletal development. 2. Time of appearance and quantitative estimation of intestinal lactase and acid and alkaline phosphatases.

TRAVIS, Hugh Farrant. Nutritional studies on ranch-raised mink.

University of Minnesota

BENSON, Harold Nicholas. Requirement of avian C'1 for fixation of guinea pig complement by avian antibody-antigen complexes.

FRONING, Glenn Wesley. Some physical and chemical changes occurring in oiled and unoiled eggs during short storage periods.

STRUSS, Herbert Edwin. The effect of intramammary infusions of antigens on milk production.

TETER, William Smith. Phosphorus availability and quantitative requirements of swine for growth gestation and lactation.

University of Missouri

BOENKER, Donald Edward. The evaluation of calorie-protein ratios in swine nutrition.

CAMPBELL, Johnny Roy. The effects of frequency of feeding on production characteristics and feed utilization in lactating dairy cows.

DEAN, Benjamin Theodore. Factors affecting reproductive performance of swine.

FAHIM, Moustafa Safwatt. Effect of female sex hormones (estrogen and progesterone), thyroid gland (Thyroxine) and vitamin B₁₂ on the uterus.

GREIMAN, Byron Jon. Subjective and objective live animal and carcass evaluation and the influences of sire, sex and hormone treatment on beef cattle performance.

RICHARDSON, Curtis Weldon. Effects of various combinations of environmental temperature and humidity on the composition of milk and milk fat of the dairy cow.

WHITE, Thomas Wayne. Ovine ration evaluation systems as influenced by ration composition.

North Carolina State College

HATHOUT, Mostafa Kamel. Effect of drying temperatures on chemical composition and digestibility of alfalfa.

SCHABINGER, John Robert. Genetic relationships between lactation milk and fat yields and increases in production with age.

YOUNG, Charles Wesley. Genetic variation and covariation of measures of growth and postnatal maternal performance in mice.

The Ohio State University

ADAMS, Ozie Lee. The effect of physical and chemical treatment of feedstuffs on growth of and nutrient utilization by the chick.

HARTMAN, Dennis August. Certain aspects of lactation performance in sows.

MERRITT, Thomas Leroy. The oxygen uptake of bovine spermatozoa as affected by freezing, motility rate, levels of pH, and the addition of bovine cervical mucus.

RICHARDSON, Don Orland. Genetic and phenotypic association of various physiological measurements in cattle and their usefulness in the comparative evaluation of sires.

TREECE, Jack Milan. Environmental and genetic influences on milk composition with particular reference to the protein.

Oklahoma State University

BROTHERS, Don G. Selection of lambs that yield the greatest experimental efficiency in growth studies from approximately fifty to ninety pounds.

HOLLAND, Gerald Leon. The influence of excessive body fatness on the performance of beef females.

HUBBARD, Dixon Dale. The effect of added energy on nitrogen utilization and digestibility of wintering rations by steers.

MARTIN, Jerry J. Lactation studies with sows and anemia prevention in pigs raised on pasture and in confinement.

McCROSKEY, Jack Earl. Effect of pelleting rations containing different ratios of concentrate to roughage upon feedlot performance and rumen function of beef steers.

PEPITO, Narcisco Noval. Some factors affecting the performance of bulls in the feedlot.

SCHUH, James Donald. Nutritional factors in calf diarrhea.

WILLIAMS, Grady Floy. A comparison of three levels of phosphorus intake on growth and reproduction of dairy bulls.

WILSON, Stanley Porter. The influence of line of breeding and sire on sow productivity.

ZIMMERMAN, J. Elton. Part I. Effect of plane of winter nutrition on growth and reproductive performance of beef heifers. Part II. Effect of nutrient restriction on weight gains, feed utilization and body composition of male rats.

Oregon State University

BOWDEN, David Merle. Correlations between certain criteria of ruminant digestion *in vivo* and *in vitro*.

LARSEN, Leland Murray. Effects of barley hulls on energy utilization by swine.

The Pennsylvania State University

AMANN, Rupert Preynoessl. Reproductive physiology of the male bovine.

COWAN, James William. The discovery of renal riboflavinuria in a mutant strain of white leghorn chickens.

SHERRITT, Grant Wilson. Selection for genetic improvement of sow productivity.

Purdue University

ADAMS, Richard Linwood. The effect of environmental temperature upon certain nutritional requirements of the chick.

BAKER, Ralph S. Selective herbicidal action of 3-amino-2, 5-dichlorobenzoic acid on *Cucumis sativus* L. and *Cucurbita pepo* L.

CROSS, Robert Franklin. *Bordetella bronchiseptica* induced porcine atrophic rhinitis.

CULVER, Alfred Abbott. The relationship of environmental temperatures to body and skin temperature, respiration rate, feed intake, and gain in swine.

FRIARS, Gerald Winston. The effect of selection on genetic variances and covariances of some traits of the fowl.

GARDINER, Earl Edwin. Magnesium studies with poultry.

HUGHES, Richard Wilson. The use of gas chromatography to study volatile substances in unprocessed whole blood with special reference to blood of ewes with pregnancy disease.

MITCHELL, James David. Relationships among factors affecting the quality of poultry.

NELSON, Stuart Lindberg. Pneumonia of swine.

SCOTT, Louis Max. Effects of crossbreeding on feed efficiency of dual-purpose cattle.

TAYLOR, Dee Orville Noble. Studies on the etiology of the mucosal disease complex.

TIETZ, JR., William John. The effects of parenteral trypsin therapy for spinal cord hemisection in sheep.

South Dakota State College

FERDOWS, Mansur. The effect of different methods of freezing on the viability of rabbit ova.

Agricultural and Mechanical College of Texas

BERRY, JR., William Thomas. Voluntary consumption of feedstuffs by ruminants; measurements of the individual preferences of beef cattle and sheep for different roughages and liquid supplements.

EOFF, Herbert Julian. Factors influencing the potentiation of broad-spectrum antibiotics in the domestic fowl.

HULETT, Billy J. The effect of protein and lipids on cholesterol metabolism, reproductive performance and enzymatic changes in the mature hen.

STELZNER, Harry Donald. Studies on the isolation of growth factors from unidentified factor sources.

TREAT, Clifford Monroe. The effects of fats of known chemical properties and certain micronutrients in the diet on growth and reproductive performance of the fowl.

WILLIAMS, John Donald. A data processing system for selecting a complex of broiler traits.

WILLIAMS, JR., Woodie Prentiss. A study of factors influencing the utilization of carotenoid pigments by poultry.

Utah State University

MORRIS, James Grant. The influence of nitrogen and phosphorus supplements on the compositions of the ruminal ingesta of sheep grazing desert range forage.

Washington State University

MONTGOMERY, Morris W. Partial purification and characterization of B-esterase of bovine milk.

MONTOURE, John Ernest. Observations concerning the cholinesterase found in bovine blood plasma and colostrum.

NOFZIGER, James Curran. Effect of some environmental stresses on swine.

TAYSOM, Elvin David. Urinary calculi in sheep.

The University of Wisconsin

MENGE, Alan Carl. Factors concerned with fertilization failure and embryonic death.

FORESTRY AND WILDLIFE

University of California, Berkeley

LYON, Robert Lyndon. Studies on the structure and toxicity of insecticide deposits for control of bark beetles.

SMITH, Richard Harrison. Toxicity of pine resins to adult *Dendroctonus* (Coleoptera: Scolytidae).

Colorado State University

BLACK, Peter Elliott. Timber and water resource management: a physical and economic approach to multiple use on Denver's municipal watershed.

Cornell University

DAVIS, Ronald Barnard. The spruce-fir forests of the coast of Maine.

EMERSON, JR., Frederick Beauregard. Some aspects of the ecology and management of wildlife marshes in New York State.

MERRIAM, Howard Gray. Problems in woodchuck population ecology and a plan for telemetric study.

SPRINGER, Paul Frederick. The effects on wildlife of applications of DDT and other insecticides for larval mosquito control in tidal marshes of the eastern United States.

Duke University

HARMS, William Robert. A study of the effect of certain climatic factors on soil moisture and the growth of planted slash pine.

Iowa State University of Science and Technology

BERLYN, Graeme Pierce. Factors affecting the incidence of reaction tissue in *Populus deltoides* Bartr.

University of Michigan

BASSETT, John Richard. Soil moisture and loblolly pine growth relations on a perched water table site in southeast Arkansas.

CAMPBELL, Robert William. Population dynamics of the Gypsy Moth.

McKENZIE, William Moore. Fundamental aspects of the wood cutting process.

MURPHEY, Wayne Keller. Aspects of wood rheology in tension parallel to the grain.

SUTHERLAND, JR., Charles Fearn. Consumption and marketing of forest products in the automobile industry. A case study of the Ford Motor Company.

WAGAR, John Alan. The carrying capacity of wild lands for recreation.

WALBRIDGE, JR., Thomas Alexander. The design of harvesting systems and machines for use in pulpwood stands of the Tennessee Valley and dictated by intensive forest management.

Michigan State University

HAYGREEN, John Grant. The effect of salt on the drying characteristics of a refractory hardwood.

KRUMBACH, JR., Arthur William. The effect of freezing and thawing on soil moisture, bulk density, and shear strength under open and forest conditions.

LEWIS, Gordon Depew. An analysis of pulpwood marketing in Michigan.

LOWRY, Gerald Lafayette. Some physicochemical properties of weathering coal spoils and their influence on the growth of pine seedlings.

QUINNEY, Dean Niles. A study of small private forest landowners in the upper peninsula of Michigan.

TOMA, Abdul Karim. Relationship between several tree characteristics of sugar maple (*Acer saccharum* Marsh.) and the yields of maple sap and sugar.

University of Minnesota

BARBER, John Clark. An evaluation of the Slash Pine Progeny Tests of the Ida Cason Callaway Foundation (*Pinus elliottii* engelm)

HEINSELMAN, Miron Lee. Black spruce on the peatlands of former Glacial Lake Agassiz and adjacent areas in Minnesota: a study of forest sites, bog processes, and bog types.

WATT, Richard Franklin. Growth and development of four northern conifers under long and natural photoperiods in Wisconsin and Florida.

North Carolina State College

THORBJORNSSEN, Eyvind. Variation in loblolly pine (*Pinus taeda* L.).

Oregon State University

CHAPMAN, Donald Wallace. Factors determining production of Coho Salmon, *Oncorhynchus kisutch*, in three Oregon streams.

Purdue University

MUMFORD, Russell Eugene. The mammals of Indiana—history and current status.

Utah State University

PENGELLY, William Leslie. Factors influencing production of Whitetailed Deer on the Coeur d'Alene National Forest.

University of Washington

HEILMAN, Paul Edwin. Effects of nitrogen fertilization on the growth and nitrogen nutrition of low-site Douglas-fir stands.

SABHASRI, Sanga. An ecological study of Salal *Gaultheria shallon* Pursh.

WOOLDRIDGE, David D. Environmental factors related to growth and management of western hemlock. (*Tsuga heterophylla* (Raf.) Sarg.)

The University of Wisconsin

MUNGER, James Arthur. Land ownership and use of resources for forestry and recreation in Oneida County, Wisconsin.

SCHENK, John Albright. A biological and ecological study of the *IPS* beetles attacking jack pine in central Wisconsin with a tentative classification of susceptible trees.

University of Wyoming

JOHNSON, Wallace M. The ecology of alpine and subalpine ranges in Wyoming as related to use by game and domestic sheep.

Yale University

BENGTSON, George Wesley. Mineral nutrient relationships in young slash pine.

FLORA, Donald Forrest. Time discounting by certain forest landowners.

KNOERR, Kenneth Richard. Exponential depletion of soil moisture by evapotranspiration at forest sites in the Sierra Nevada, as related to available soil moisture and vapor pressure deficit.

KURMES, Ernest Alexander. The ecology of mountain laurel in southern New England.

MULLIN, Robert Evelyn. Effects of root and top pruning on size and planting success of white spruce nursery stock.

STEPHENS, JR., George Robert. Flower induction in woody plants.

TAMOLANG, Francisco Neri. Relationships between morphological characteristics of hardwood fibers and pulp-sheet properties.

YOSHIMURA, Mitsugu. The effect of extractions upon the decay resistance of wood.

PLANT CULTURE

University of Arizona

ABU FAKHR, Mahmud Suleiman Sayyid Ahmad. Effect of saline waters on soil properties and plant nutrition in Kuwait.

BATRA, Prem P. Tissue analyses as a guide to the nitrogen and phosphorus nutrition of cotton and sorghum.

MILLHOLLON, Rex Weldon. Boll abscission and fiber properties in upland cotton as influenced by nitrogen, moisture, and gibberellic acid treatments.

University of California, Berkeley

MUNNS, Donald Neville. Effects of biotic variation on the uptake and distribution of manganese in oat plants.

University of California, Davis

AL-HARDAN, Dhari Shaikh Mishhin. Factors affecting the zinc nutrition of the tomato plant.

University of California, Los Angeles

JOLICOEUR, Jacques Antoine. Root growth as affected by salt concentrations.

Cornell University

DENNIS, JR., Frank George. Induction of parthenocarpy in the apple, and stimulation of fruit growth *in vivo* and *in vitro*.

DOWNES, Ross Whyte. A study of variation in height and maturity in timothy, *Phleum pratense* L.

GERSHON, David. Breeding for resistance to pod dehiscence in Birdsfoot Trefoil, (*Lotus corniculatus* L.), and some studies of the anatomy of pods, cytology and genetics of several *Lotus* species and their interspecific hybrids.

GHOSH, Tarun Kumar. Effects of fertilization on growth, yield, chemical composition and processing quality of potatoes.

KAWASE, Makoto. Endogenous growth-substances and the photoperiodic control of growth in *Betula pubescens* and *Betula lutea*.

LIGHTY, Richard William. Cytological and interspecific hybridization studies in *Lilium* L. and their significance for classification.

RADHAKRISHNA MURTY, Bhyravabhotla. Genetic studies of some hybrid derivatives of *Nicotiana rustica* and *Nicotiana tabacum*.

ROY, Narendra Nath. Response of corn selections to variation in soil fertility.

SHIBLES, Richard Marwood. Seedling vigor in Birdsfoot Trefoil (*Lotus corniculatus* L.).

THOMPSON, David Jesse. Studies on the inheritance of male-sterility and other characters in the carrot, *Daucus carota* L. var. *sativa*.

WHEELER, Donald Alsop. Inheritance of node number in maize as analyzed by partitioning and other statistical methods.

The University of Florida

CORDY, Clifford Bernard. The effects of kind of rootstock and kind, length and location of interstock on pear tree performance and fruit quality.

SMALLEY, Ralph Ray. Effects of amendments on soil properties and on growth of Bermudagrass on putting greens.

STURROCK, Thomas Tracy. A study of the effect of growth substances on fruit-setting of the mango.

University of Hawaii

PLUCKNETT, Donald Lovelle. Some plant relationships in bauxitic latosol soils of Kauai.

University of Illinois

GRAFFIS, Don Warren. The relationship of root carbohydrates of alfalfa, *Medicago sativa*, L., at the time of harvesting to summer recovery growth.

HARRISON, Robert Louis. Evaluation of recurrent selection in breeding corn resistant to the European corn borer *Pyrausta nubilalis* (Hbn.).

HEPLER, Roger William. The measurement and inheritance of resistance to fruit cracking in the tomato.

MALM, Norman Royer. A comparison of various breeding methods for improving persistency and disease resistance in red clover.

MARTIN, Clifford K. Soil management studies of the claypan soils of southern Illinois with emphasis on drainage and aeration.

MOOLANI, Moti Kundandas. The competitive effects of various intensities of *Amaranthus hybridus* L. on the development and yield of corn and soybeans.

MOTIRAMANI, Dayal Pherumal. Effect of variation in concentration of potassium and calcium in nutrient media on the growth, nucleotides, nucleic acid and protein content of young corn plants.

TAYLOR, James Lee. Response of Kentucky bluegrass and variety delta to environmental factors.

VANDEMARK, Joseph S. Morphological and developmental changes in the bean *Phaseolus vulgaris* L. as modified by the application of various growth regulators.

WATKINS, Phillip Wayne. A statistical genetic analysis of plant height in sorghum.

Iowa State University of Science and Technology

DENMEAD, Owen Thomas. Availability of soil water to plants.

KASPERBAUER, Michael John. Influence of vernalization and photoperiodism on floral response of *Melilotus* species.

LANTICAN, Ricardo Manzo. Sib-compatibility in S_1 lines of *Medicago sativa* L.

MILLER, Robert Joseph. Soybean yield responses and plant composition as affected by phosphorus and potassium fertilizers.

MURPHY, Charles Franklin. Heritability estimates and radiation effects on the seed size components of oats.

Louisiana State University

HANES, Gaylord Lloyd. Factors influencing the structure of some Pleistocene terrace soils.

JONES, Jack Earl. Inheritance of resistance to *Fusarium* wilt in upland cotton.

LINNARTZ, Norwin Eugene. Soil properties, use of fertilizers, and nutrient uptake as related to the growth of Loblolly pine (*Pinus taeda* L.).

NORTON, Joseph Daniel. Inheritance of growth habit and flowering response of the Southern pea, *Vigna sinensis*.

WRIGHT, Johnie Algie. Container nursery stock studies.

University of Maryland

COHEN, Obadiah Phillip. Moisture use by selected forage crops and comparisons with estimating equations.

HEINCKE, Donald Richard. The association of molybdenum and oxalic acid with several mineral elements involved in the development of internal bark necrosis of the apple.

PHILLIPS, William G. Studies on the biology and economic importance of the clover root curculio *Sitona hispidula* (Fab.) in Maryland.

SMEAL, Paul Lester. Factors influencing the induction, formation, and development of the inflorescence in *Hydrangea macrophylla* (Thunb.).

SWAIN, Francis Graham. Forage establishment and management studies with special reference to sod seeding.

University of Massachusetts

ROYCHOUDHURY, Rathindra Narayan. Some effects of nitrogenous materials and associated ions on the steady state uptake of phosphorus by excised roots.

McGill University

FINDLAY, Wallace Irwin. Investigation of the effects of fertilization with nitrogen and phosphorus on the yield and composition of the corn plant.

LAWSON, Norman Cameron. Influences of number and type of selected plants on performance of cultivars in red clover and birdsfoot trefoil.

Michigan State University

AWAD, Marcel Michel. Rootstock and variety influences in apple on leaf composition, fruit composition and storage quality of the fruit.

CORCOS, Alain Francois. Recurrent selection and inbreeding for maturity in maize.

CRESSMAN, Harry Keith. Sources of sulfur for crop plants in Michigan and its effects on their growth and composition.

ELLS, James Ernest. The relation of environmental factors and composition values to blotchy ripening in the tomato.

LEWIS, Lowell Nelson. Studies on the nutrition of Bartlett pear trees (*Pyrus communis* L.) and fire blight (*Erwinia amylovora*, Burr.).

McVEY, George Randall. Responses of woody plants to photoperiod, temperature and gibberellin.

NEW, Earl Hiram. Abraining retail flower sales information by means of an "in shop" systematic sampling method.

NICKNEJAD, Mansour. Cytogenetic evaluation of *Secale* germplasm for forage improvement.

PRATT, Joseph Neal. The effect of phosphorus and potassium on the botanical and chemical composition yield and persistence of alfalfa and certain grasses grown in combination.

SHICKLUNA, John Charles. A study of some relationships among the results of soil and tissue tests, fertilizer treatments and yields of several crops grown on organic soils.

SMITH, Nicky Allan. An evaluation of methycellulose and paper seed ribbons for the precision seeding of lettuce (*Lactuca sativa* L.) and other vegetables.

SRINIVASEN, Kalasatti. Some modifications in the behavior of *Lycopersicum esculentum* as a result of foliar sprays of metallic hydrazide.

University of Minnesota

FUAD, Jamal Abdul-Karim. Inheritance of stem rust reaction to races 15 B, 11, and 56, in crosses of some *Vulgare* wheats.

KEMP, Gavin Arthur. Evaluation of the progeny of F₂ tomato selections by replicated field tests.

MATSUURA, Richard Michito. A male sterile and an early ripening mutant from irradiation of tomato seeds.

SUNDERMAN, Donald Wayne. Inheritance of reaction to stem rust in crosses between certain *Vulgare* spring wheats.

TOYAMA, Thomas Kazuo. The breeding behavior of selected varieties of the red raspberry especially with respect to certain fruit characters which may be related to seediness.

WEAVER, Merle LaRoy. A study of the factors influencing the tolerance of pea (*Pisum sativum* L.) to MCPA (2-Methyl-4-Chlorophenoxyacetic acid).

University of Missouri

CORGAN, Joe Nelson. The relationship between moisture stress and the uptake and translocation of phosphorus by plants.

HAYWARD, Charles Franklin. X-Ray and thermal neutron irradiation of soft red winter wheat, *Triticum aestivum*.

SINHA, Harihar. Effects of potassium-boron interactions upon growth and composition of soybean and vegetable crops.

The University of Nebraska

LINSCOTT, Dean Leroy. Effect of weed control practices on the variation in carbohydrate content and weight of *Vernonia baldwini* roots.

North Carolina State College

CHRISTIANSEN, Meryl Naeve. A study of the effect of temperature levels of germination environment on chemical and physical characteristics of cotton seedlings.

CREWS, Julian Wright. Field plot technique studies with flue-cured tobacco.

GOSSETT, Dorsey McPeake. The response of alfalfa to defoliation by grazing animals as compared to clipping.

WORSHAM, Arch Douglas. Germination of *Striga asiatica* (L.) Kuntze (Witchweed) seed and studies on the chemical nature of the germination stimulant.

The Ohio State University

BADER, Kenneth Leroy. The effect of pre-harvest clipping, insect control, and other factors on the seed yield of birdsfoot trefoil, *Lotus corniculatus* L.

FRANKLIN, JR., Ralph Earl. The effects of donnan equilibria in clay and resin systems and plant root exchange capacities on cation uptake by plants.

ORR, Henry Porter. The relation of measurements of quality to nutrient-element content of foliage of roundleaf Japanese holly (*Ilex crenata* 'Roundleaf') and southern magnolia (*Magnolia grandiflora*) plants grown in containers.

ROBINSON, Radcliffe Franklin. A study of organisms for bioassay of residual toxicants on raw food products.

SAINI, Gulshan Rai. I. Properties of water-stable aggregates. II. Relationship of organic matter to particle and bulk densities of soil.

Oregon State University

HART, Richard Harold. An economic and ecological evaluation of velvetgrass, *Holcus lanatus* L.

HYDER, Donald Nelson. Growth characteristics of crested wheatgrass, *Agropyron desertorum* (Fisch.) Schult., in the big sagebrush-bluebunch wheatgrass province of southeastern Oregon.

WEISER, Conrad John. The physiological role of boron in the rooting of hypocotyls of *Phaseolus vulgaris* L.

The Pennsylvania State University

BORDEN, Frederick Yates. Physical impedance as a factor limiting plant growth and root penetration into compact subsoils.

BOSWELL, Fred Carlen. Microbiological and chemical techniques for the assay of available soil nitrogen.

BROWN, Milford Slagen. Some physiological responses of the tobacco plant to gibberellic acid.

BYRNES, William Richard. Hydrologic balance of three soils supporting natural hardwoods, planted red pine, and old field plant communities in central Pennsylvania.

LOUGHRY, Frank Glade. Quantitative relationship of soil mottling to natural soil drainage profiles. (Aeration status).

MAYS, David Arthur. Sudangrass and pearl millet development and productivity as influenced by cutting heights.

MITCHELL, William Hugh. A study of the root and top growth of several forage species as influenced by nitrogen and irrigation treatments.

Purdue University

GARREN, JR., Ralph. Factors affecting uptake and movement of certain substances in the strawberry plant.

LEWIS, Terry Layton. Physiological studies of chilling injury in tomato fruits.

PLUMMER, JR., Thomas Henry. An addition reaction of the plant growth hormone.

RICHARDS, Harry Randolph. Inheritance and expression of loose smut resistance in wheat.

Rutgers University

ADAMS, Merle V. Seedling cutting management of three forage crop mixtures sown with and without a companion crop.

COLLINS, William Beck. Greenhouse studies on organic matter, phosphorus, soil compaction, and soil moisture as related to strawberry growth.

COWETT, Everett Ronald. Crown bud initiation and subsequent shoot development on alfalfa (*Medicago sativa*, L.) as affected by environmental and physiological factors.

KAMALI, Abdul Rahman M. Trace element studies with peach.

LAZARUK, William. The effects of soil pH on the availability to certain horticultural crops of six trace elements contained in glassy frits.

MERRITT, Richard Howard. The effects of preharvest air temperatures on storage scald of apple.

MOORE, James Norman. Effects of gamma irradiation and photoinduction on auxin levels during vegetative and reproductive growth of the strawberry.

OLSEN, JR., Farrel John. The variability, association, and heritability of protein and other plant characters in alfalfa.

South Dakota State College

AL-SOHAIFY, Ibrahim A. Physiologic specialization within *Sphacelotheca reiliana* (Kuhn) Clint. on sorghum and the biology of its chlamydospores in the soil.

KRATOCHVIL, Donald Elmer. A study of progenies of a colchicine-treated F_1 hybrid of *Zea mays* L.

NELSON, Gordon A. Studies on the persistence of *Corynebacterium insidiosum* in soil and of an antagonistic variant of the species.

Agricultural and Mechanical College of Texas

BARRY, Joseph Robert. A study of the postharvest physiology and chemical composition of the sweet potato.

GUINN, Gene. The influence of chelation on absorption and translocation of iron, copper, manganese, and zinc by the cotton plant.

RADWAN, Sami and RADWAN, Hassan. Earliness in *Gossypium hirsutum* L.—measurements, inheritance, and associations with certain marker genes and economic characters.

Utah State University

JUSTICE, John Kieth. Moisture and temperature effects on the transformations of nitrogen from applied ammonium sulfate in a calcareous soil.

Washington State University

OURECKY, Donald Kenneth. The effects of X-rays on the recombination of linked characters in the tomato.

WILLIAMS, Max W. Physical and biochemical studies on core breakdown of Bartlett pears stored in controlled atmospheres.

West Virginia University

SHIH, Soh-Chao. Inheritance of resistance to powdery mildew *Erysiphe graminis hordei*, in winter barley.

The University of Wisconsin

BOKDE, Shrawan Vithalrao. Early development of corn under controlled greenhouse conditions as related to field performance under various cultural practices.

FORSBERG, Robert Arnold. Breeding behavior of *avena abyssinica* \times *avena strigosa* amphiploids and of progenies from certain interspecific *avena* hybrids.

JAHN, Otto Lorenz. Studies on growth of the strawberry plant.

KEYSER, Henry Richard. Some responses of inbred lines of corn, *Zea mays* 2, 2-dichloropropionic acid.

LARSON, Kenneth Leroy. Association of various plant constituents and morphological characters with the winterhardiness of alfalfa *Medicago sativa* L.

LOPER, Gerald Milton. Chemical composition of the herbage of alfalfa, medium red clover, ladino clover, birdsfoot trefoil, and smooth brome grass at various stages of maturity with emphasis on micronutrient elements and amino acids.

SHAH, Vinod Harakhchand. Influences of seeding time, variety and other factors on the growth and maturity of sorghum.

SPAIN, Gene Lyle. The morphological development of smooth brome grass under certain seeding and managerial treatments.

VINCETT, Henry Thomas. Dalapon as aid to tillage in preparing seedbeds on unplowable slopes.

PLANT PATHOLOGY

University of California, Berkeley

BINDRA, Onkar Singh. Effect of insect numbers in aphid transmission of potato leafroll virus.

CHRISTOU, Theodosios. Penetration and host-parasite relationships of *Fusarium solani* f. *phaseoli*, *Rhizoctonia solani*, and *Thielaviopsis basicola* in the bean plant.

GILPATRICK, John Daniel. The effect of soil amendments and environmental factors on phytophthora root rot of avocado.

KONTAXIS, Demetrios George. An autoradiographic study of the early stages of plant virus infections.

LORBEER, James Wendell. The biology and control of *Streptomyces ipomoea* on sweet potato.

University of California, Davis

CRISPIN-MEDINA, Alfonso. Seed transmission and relationships of bean mosaic viruses.

GABRIELSON, Richard Lewis. Etiology of the Septoria blight disease of celery and taxonomy of the causal organism.

GRUNDBACHER, Fritz Johann. Biotypes of the stem nematode, *Ditylenchus dipsaci* (Kühn) Filipjev, on alfalfa and the inheritance of resistance to this nematode.

HILLS, Frederick Jackson. Fungicidal activity, translocation in sugar beet seedlings and photochemical decomposition of p-dimethylaminobenzenediazo sodium sulfonate.

McMURTRY, James Allen. A study of resistance in alfalfa to the spotted alfalfa aphid in relation to environmental factors.

MIROCHA, Chester Joseph. The hull rot disease of almond and the role of a fungal toxin in symptom development.

Cornell University

BATEMAN, Durward Franklin. The relation of environmental factors to development of the poinsettia root rot complex.

FORD, Richard Earl. Some factors affecting the interaction of potato viruses X and Y in inoculated leaves of tobacco.

MUELLER, Walter Carl. Transmission of potato leafroll and barley yellow dwarf viruses injected into aphids.

PAPASOLOMONTOS, Andreas. Studies on the transmission of cucumber mosaic virus by the green peach aphid, *Myzus persicae* (Sulz.).

THOMPSON, Leith Stanley. Studies pertaining to the six-spotted Leafhopper in relation to transmission of lettuce-yellow virus in New York.

YATSU, Lawrence Yoneo. Some exploratory studies concerning apple scald at the enzyme level.

The University of Florida

NATOUR, Rashad Mustafa. A stem rotting disease of *Dracaena sanderiana* caused by an undescribed strain of *Aspergillus niger*.

University of Illinois

BUSHONG, Jerold Ward. The relationship of protein, amino acid, nitrogen and peroxidase to the fire blight disease of Jonathan apple trees as affected by gradients of copper.

AGRIOS, George N. Factors conducive to poor stock-scion union and virus-like symptom development in dwarf peach.

PEDERSON, Vernyl Duwaine. Downy mildew of soybeans.

Kansas State University

CHIU, Ren-Jong. Purification, assay and strain differentiation of brome grass mosaic virus.

EXCONDE, Ofelio Rivera. Effect of captan and captan-dieldrin on germination and yield of wheat.

MATHUR, Satish Chandra. The effect of *Ustilago tritici* (Pers.) Rostr. on the growth and morphological characters of winter wheat.

Louisiana State University

GIAMALVA, Mike John. The reaction of several varieties of sweet potatoes to five species of root-knot nematodes (*Meloidogyne* Spp.)

PSARROS, Evangelos Eleftheriou. Comparative morphology and respiration of normal and diseased *Helminthosporium victoriae*.

University of Maryland

LEFKOWITZ, Stanley Sanford. Auxin physiology of tumors induced by *Meloidogyne* Spp.

MONTIE, Thomas Charles. Effects of Captan on the glucose metabolism and growth of *Saccharomyces pastorianus*.

University of Massachusetts

LAVIGNE, Robert James. The biology and control of the clover root curculio, *Sitona hispidula* (F.) in Massachusetts with observations on *Sitona flavescent* Marsh.

McGill University

OLSEN, Orvil Alva. A study of the pathogenic mechanism of *Fusarium oxysporum* *F. lycopersici* (Sacc.) Snyder and Hansen.

University of Minnesota

GOTH, Robert William. Studies on the effects of viruses on *Trifolium Spp.*

KNUTSON, Kenneth Wayne. Studies on the nature of field resistance of the potato to *Phytophthora infestans*.

ORTEGA, Jacobo. Genetic factors controlling stem rust resistance in Kenya farmer wheat.

RENFRO, Bobby Lee. Studies concerning epidemiology of black stem of alfalfa.

RODRIGUEZ, Ricardo Arturo. The nature of resistance in muskmelons to *Fusarium* Wilt.

WYLLIE, Thomas Dean. Host-parasite relationships between soybean and *Rhizoctonia solani*.

The University of Nebraska

BELL, Alois Adrian. Respiratory changes associated with rust and virus diseases of *Phaseolus vulgaris*.

HAMILTON, Richard Ian. Studies on the properties of brome mosaic virus and its related antigens.

INMAN, Robert Eugene. Carbohydrate levels in rust infected bean plants.

North Carolina State College

FISHER, Kenneth Deane. Some physiological comparisons of the *Fusarium* surface rot and *Fusarium* wilt pathogens of sweet potato.

McGLOHON, Norman Edward. Investigations of plant-parasitic nematodes associated with forage crops in North Carolina.

McGUIRE, James Marcus. Etiology and epiphytology of the collar rot disease of peanuts.

POWELL, William Morton. Efficacy of sampling and assay techniques in estimating plant parasitic nematode populations in field soils.

RUEHLE, John Leonard. Investigation of the relationships of plant-parasitic nematodes to the stunting of pines in outplantings.

WITCHER, Wesley. Blueberry stem blight caused by *Botryosphaeria dothidea*.

The Ohio State University

McRITCHIE, John James. Pathogenic, serological, and certain chemical characteristics of four strains of tobacco mosaic virus.

Oregon State University

DAS, Chitta Ranjan. Seed and pollen transmission of cherry ring spot virus in buttercup squash.

KONICEK, Donald Edward. Ecology of *Longidorus menthasolanus*, Konicek and Jensen 1961, a parasite on peppermint in Oregon.

KUHLMAN, Elmer George. Survival and pathogenicity of *Phytophthora cinnamomi* rands in forest soils.

MURPHY, Donald Guy. Taxonomy of marine nematodes occurring along Pacific Northwest coasts.

Purdue University

KUHN, Cedric W. Concentration and specific infectivity changes of alfalfa mosaic virus during systemic infection in tobacco.

Washington State University

GORDON, Clarence Conrad. The life cycle and parasitism of an undescribed species of the Meliolaceae attacking *Solanum* Spp.

HOFFMANN, James A. Induced hybridization between certain graminicolous species of *Ustilago*.

WHITWORTH, Joseph Wayne. The selective action of a growth regulator herbicide on strains of bindweed (*Convolvulus arvensis*).

West Virginia University

HEIDRICK, Lee Edward. The late blight disease of potatoes in Colombia.

The University of Wisconsin

ANDERSON, Jay Lamar. A study of cucurbit anthracnose.

BARKER, Kenneth Reece. Factors affecting the pathogenicity of *Pellicularia filamentosa*.

CERVANTES, Javier. Alfalfa mosaic virus in relation to tuber necrosis in the potato variety red La Soda.

DICKERSON, Ottie Joe. Pathogenicity, life cycle and morphology of certain *Pratylenchus* Spp. on potato.

GROVER, Rajendra Kumar. Laboratory and field evaluations of antibiotics and synthetic organic fungicides used for the control of *Sclerotinia fructicola* (Wint.) Rehm. and *Sclerotinia Laxa* Ader. & Ruhl. on cherries.

HOUSTON, David Royce. Investigations of oak wilt and of maple blight. I. The effects of temperature and moisture on the development of oak wilt. II. The development of oak wilt in bur oak (*Quercus macrocarpa* Mischeaux). III. The etiology of the maple blight disease of sugar maple (*Acer saccharum* Marshall).

KOLLMER, German F. K. Host range and properties of potato virus F, its effects in American potato varieties, and resistance to the virus.

LEE, Bae Ham. Inheritance of reaction to *Puccinia sorghi* Schw. and genetic relationships of alleles at locus on chromosome X in 6 corn lines.

REYES, Andres Arenas. Studies on the population dynamics of several fusaria in the soil and plant rhizosphere.

ROSENKRANZ, Eugen Emil. Biological assay purification morphology and biochemical properties of the Wisconsin pea streak virus.

SEAMAN, William Lloyd. Variability in pathogenicity among isolates of *Plasmodiophora brassicae*.

SEHGAL, Om Parkash. Strawberry multiplier disease in Wisconsin.

SMART, JR., Grover Cleveland. Pathogenicity, morphology, and life cycle of certain isolates of *Ditylenchus destructor*.

WALKINSHAW, JR., Charles Howard. Corky ringspot of potato.

WASUWAT, Slearm Larp. Inheritance of mosaic resistance in cucumber.

WILLIAMS, Barbara June. Some host-pathogen relationships in the apple scab disease.

ANATOMY

University of Alabama

SHACKLEFORD, John Murphy. The structure and function of the salivary glands with particular emphasis on the hamster (*Cricetus auratus*).

YATES, Robert Doyle. A study of cell division in chick embryonic ganglia.

Baylor University

LIEBELT, Annabel Glockler. Transplantation of normal and neoplastic tissues in inbred mice differing at "weak" histocompatibility loci.

University of California, Berkeley

WAGNER, Jackson Wayne. The ontogenetic development of sodium and potassium binding in the rat brain.

University of California, Los Angeles

HAUN, Charles Kenneth. Central nervous and humoral control of lactogenesis in the rabbit.

SUNDSTEN, John Wallin. The localization and functions of osmoreceptors in the central nervous system.

SWETT, John E. Some aspects of neuromuscular organization.

WENDT, Richard H. Amygdaloid and peripheral influences on the activity of hypothalamic neurons in the cat.

University of Chicago

ZUGIBE, Frederick T. The composition of extracellular substances in human arteries and changes with aging.

University of Cincinnati

GILMORE, Shirley Ann. A study of the effects of x-irradiation on the spinal cords of neonatal rats.

Columbia University

COHEN, Priscilla Jane. Studies of rat liver and common bile duct in experimental biliary obstruction.

KAYE, Gordon Israel. An electron microscopic study of the cornea in relation to the uptake and transport of colloidal particles.

Cornell University

TANDLER, Bernard. The ultrastructure of the human submaxillary gland.

Duke University

PERKINS, Lois Claire. The early postnatal development of the cerebellar cortex in the dog and the effect of early spinocerebellar tractotomy.

Emory University

EL-RAKHAWY, Mohamed T. Histochemistry of human and dog tongues with special reference to the gustatory epithelium.

University of Illinois Chicago
Professional Colleges

LOEVY, Hannelore. Normal and abnormal palate development in the mouse fetus: morphological and histological factors.

State University of Iowa

WAY, John Stoddard. An oscillographic study of afferent connections to the hippocampus in the *Felis domesticus*.

Loma Linda University

CASE, Norman Mondell. Investigations in the comparative ultra-structure of the Choroid Plexus and Arachnoid Villi.

Louisiana State University

MORELAND, James Edmond. Electron microscopic studies of mitochondria in cardiac and skeletal muscle from hibernated and control ground squirrels.

Loyola University

WELLBAND, Wilbur Arthur. The effect of various endocrine disturbances on the rate of eruption and the histology of the maxillary incisor in the female albino rat.

University of Maryland

FUCHS, Peter Cornelius. Studies on spontaneous neoplasms in C3H/Fg mice with particular emphasis on leukemia.

McGill University

AMANO, Minoru. Synthesis and behaviour of RNA as shown by radioautography in mouse tissues *in vivo*.

SARKAR, Susanta Kumar. Origin and control of the light cells in the thyroid gland of the rat.

University of Michigan

CONKLIN, James Loren. The development of the pancreas of the human fetus.

HAN, Seong Soo. The ultrastructure of the mesenteric lymph node of the rat.

TOWNSEND, Samuel Franklin. Regeneration of gastric mucosa in non-hypophysectomized and hypophysectomized rats.

Michigan State University

BHARADWAJ, Madan B. Histology of the urethra and accessory sex glands of the domestic animals and observation on the surgical insertion of the urinary bladder-neck into the descending colon in the dog.

DIENHART, Charlotte Marie. Morphological effects of a dietary-induced hyperparathyroidism on the parathyroids, kidneys and tibias of rats.

WILLIAMS, James Alfred. The clinicopathologic effects of thyroidectomy on reproductive and other body functions in the male goat.

University of Minnesota

HEGGESTAD, Carl Blixeth. The influence of growth hormone upon fetal development in the rat.

University of Missouri

BENOIT, Paul Edwin. Nonmyelinated nerve fibers in branches of the brachial plexus.

The Ohio State University

ANDRES, Martin York. Observations on the effects of pinealectomy in turkey poults and on the developmental anatomy and histochemistry of the pineal organ.

BARTONE, John Charles. A contribution to the histochemistry of mammalian development.

GIDWANI, Joanna Narain. Some important jaw muscles in mammals: A comparative study.

GRASSO, Joseph Anthony. Morphologic observations of mammalian fetal liver with particular reference to erythropoiesis.

University of Pennsylvania

EAGER, Robert Paul. Efferent corticonuclear pathways in the cerebellum of the cat.

Medical College of South Carolina

HENRY, Raymond Leon. Morphology of experimental venous thrombi in the rat.

The University of Texas

SIPERSTEIN, Eleanor Righetti. Identification of the adrenocorticotrophin-producing cells by autoradiographic study of the rat hypophysis.

University of Toronto

HALL, Michael Clement. *The ground substance of loose connective tissue*: a correlation of physical and histological evidence relating to its water binding properties.

Vanderbilt University

ORR, Mary Faith. The effect of chemically-defined media upon tissue cultures of skin, cystic disease and carcinomas from the human female breast.

The University of Wisconsin

VARMA, Harish Chandra. The structure and composition of the mammalian amnion.

ANTHROPOLOGY

University of Arizona

FONTANA, Bernard Lee. Personal names: an index of individual and group assimilation among Papago Indians.

SHUTLER, JR., Richard. The Pueblo Indian occupation of the Southern Great Basin.

University of California, Berkeley

BENNYHOFF, James Allan. The ethnogeography of the Plains Miwok.

DOWNS, James Francis. The effect of animal husbandry on two North American Indian tribes.

LANNING, Edward Putnam. Chronological and cultural relationships of early pottery styles in ancient Peru.

University of California, Los Angeles

- BELL, Betty B. Analysis of ceramic style: a West Mexican collection.
- OLIVER, Symmes C. Ecology and cultural continuity as contributing factors in the social organization of the plains Indians.
- PENDERGAST, Donald M. The distribution of metal artifacts in pre-Hispanic meso-America.
- RAYFIELD, Joan R. The languages of a bilingual community.
- WILSON, JR., Houston C. Changes in the Jicarilla Apache economic and political structures: 1888-1960.

Catholic University of America

- BATTLE, Allen Overton. Status personality in a Negro holiness sect.

University of Chicago

- AMYOT, Jacques. The Chinese Community of Manila: a study of adaptation of Chinese families to the Philippine environment.
- FRISCH, John Ernest. Trends in the evolution of the hominoid dentition.
- KASDAN, Leonard. Isfiya: social structure, fission and faction in a Druze community.
- KELLER, Gordon Nelson. The changing position of the Southern plains in the late prehistory of the Great Plains area.
- MAYERS, Marvin K. Pocomchi—a sociolinguistic study.
- MENDEZ-DOMINGUEZ, Alfredo. Stratification in a Ladino community, Guatemala.
- MORRILL, Warren Thomas. Two urban cultures of Calabar, Nigeria.
- PROST, Jack Hale. The upper limb joints in man and macaque: a comparative study.
- SCHUSKY, Ernest. The lower brule Sioux: the description of a distinct community and the processes which keep it distinct.
- WILLIAMS, Gerald E. Colloquial minangkabau: a description of phonological and morphological structure.

Columbia University

- FINK, Ruth Annette. The changing status and cultural identity of Western Australian Aborigines. A field study of Aborigines in the Murchison District, Western Australia. 1955-1957.
- HAMMER, Muriel. An analysis of social networks as factors influencing the hospitalization of mental patients.
- JOHNSON, Erwin Henry. Nagura *Mura*: an historical analysis of stability and change in community structure.

Harvard University

- GIBBS, JR., James Lowell. Some judicial implications of marital instability among the Kpelle.

- GRIFFITH, Charles Ray. Navaho intercultural marriage: a study of acculturation in small groups.
- PRÜFER, Olaf Herbert. The Hopewell Complex of Ohio.
- RYAN, Edward Joseph. The value system of a Chinese community in Java.

Indiana University

- MCMICHAEL, Edward V. The anatomy of a tradition: a study of southeastern stamped pottery.

University of Michigan

- KUNSTADTER, Peter. Culture change, social structure, and health behavior: a quantitative study of clinic use among the Apaches of the Mescalero reservation.

University of Minnesota

- TEFFT, Stanton Knight. Cultural adaptation: the case of the Comanche Indians.

Northwestern University

- KOPYTOFF, Igor. Suku religion: a study in internally induced reinterpretation.

The Ohio State University

- DESPRES, Leo Arthur. Culture and power in a college community.

University of Oregon

- WOOD, Walter Raymond. An interpretation of Mandan culture history.

University of Pennsylvania

- ACKERMAN, Robert Edwin. Archaeological investigations into the prehistory of St. Lawrence Island, Alaska.
- BASS, III, William Marvin. The variation in physical types of the prehistoric plains Indians.
- RICCIARDELLI, Alex Frank. Factionalism at Oneida, an Iroquois Indian community.

Radcliffe College

- BRYAN, Ruth Gruhn. The archaeology of Wilson Butte Cave, south-central Idaho.
- NADER, Laura. Space and social organization in two Zapotec communities.

St. Louis University

- GEGEN, Ad.P.P.S., Sister Mary Loretta. Education's impact on the culture of specific localities in Amazonia.

University of Utah

- WITHERSPOON, Younger Theodore. Cultural influences on Ute learning.

The University of Wisconsin

- KESLIN, Richard Orville. Archaeological implications on the role of salt as an element of cultural diffusion.

Yale University

- GOETHALS, Peter Randall. Kinship and marriage in western Sumbawa.
- HAHN, Paul Gene. A relative chronology of the Cuban nonceramic tradition.
- NAG, Manindra Kumar. A cross-cultural study of factors related to human fertility.
- WILSON, Peter Joseph. The social structure of Providencia Isla, Colombia.

ASTRONOMY

California Institute of Technology

- HARRIS, Daniel Everett. The continuous spectra of radio sources with particular reference to non-thermal galactic sources.

Case Institute of Technology

- UPGREN, JR., Arthur Reinhold. The space distribution of late-type stars at the North Galactic Pole.

University of Chicago

- BRANDT, John C. Effects of solar radiation upon the upper atmosphere and the interplanetary gas.

University of Colorado

- JOHNSON, Hollis Ralph. Helium equilibrium in the solar atmosphere.
- MALVILLE, John McKim. Studies of fast-drift radio bursts and related phenomena.

Cornell University

- STABLER, Robert Coleman. Energy loss mechanisms from very dense stars.

Georgetown University

- BANKS, Harvey Washington. The first spectrum of titanium from 6000 Å to 3000 Å.
- BIRNEY, Dion Scott. Three color observations of nine cepheid variable stars.
- EDELSON, Sidney. A study of long and short term variations in solar radiation at radio and optical wavelengths.

Harvard University

- DUNN, Richard Brandner. Photometry of the solar chromosphere.
- SOUTHWORTH, Richard Boynton. Dynamical evolution of a meteor stream.

Indiana University

- FUJITA, Choko. A theoretical study of blends of pairs of metallic lines in the solar spectrum.
- OLSON, Edward C. An observational study of convection in the solar atmosphere.

Louisiana State University

FULLER, Jerry Don. Profile of the H-gamma line in the White Dwarf 40 Eridani B.

University of Pennsylvania

REUNING, Ernst Günther. Astronomical photometry in the 1 to 3 micron region.

Stanford University

SWARUP, Govinda. Studies of solar microwave emission using a highly directional antenna.

Yale University

DOUGLAS, James Nathaniel. A study of non-thermal radio emission from Jupiter.

BACTERIOLOGY

The University of Buffalo

DOEBBLER, Thelma Kustoff Doebbler. Studies of experimental immunological thyroiditis.

University of California, Berkeley

HARVIE, Nancy Reid. Antigenic studies on rabbit peritoneal histiocytes.

MCCAMISH, Joan. The response of the guinea pig to the immunizing strain (rev I) of *Brucella melitensis*.

TREAGAN, Lucy. Studies of replication of mumps virus.

WATKINS, H. M. Sherman. Studies on *Shigella* antigens and virulence.

University of California, Davis

MEYER, Margaret Eleanor. Metabolic characterization of the genus *Brucella*.

NJOKU-OBI, Augustine Nwaneri Uzoma. Immunity in *Listeria monocytogenes* infections.

University of Cincinnati

HILL, Edward Orson. Phenotypic variation of the somatic antigens of *Clostridium parbotulinum* when grown in various culture media.

Colorado State University

TRUEBLOOD, Malcolm Stanley. A study of the etiological agent of ulcerative dermatosis and its comparison to the agent of contagious ecthyma.

Cornell University

MARSHALL, Kevin Charles. A study of the mechanism of nitrification by *Aspergillus flavus*.

YAMAGUCHI, Tatsuro. Studies on acid-fast nocardia.

University of Georgia

ADAMS, James Norman. A study of the comparative cytology of some members of the genus *Nocardia*.

University of Illinois

BARR, Thomas Robert Bonner. Experimental rabies in the opossum (*Didelphis marsupialis virginiana* Kerr).

BOEZI, John Angelo. Studies on the accumulation of tryptophan by *Escherichia coli*.

CANALE-PAROLA, Ercole. Structure and metabolism of *Sarcina ventriculi*.

GOLDBERG, Ivan Delmar. A study of a bacteriophage infecting a strain of *Bacillus*.

SEAMAN, Edna. Polyribonucleotide synthesis in a subcellular fraction of *Escherichia coli*.

SHEEK, Martha Reyburn. Autoradiographs relating nucleic acid metabolism to the appearance of intracellular vaccinia virus.

TING, Robert Chin-Yao. Origin, variation and properties of the genetic elements responsible for transduction of the "lac" characters.

Indiana University

KAUFMAN, Bernard. The physiology of carbohydrate formation by *Azotobacter Vineland II*.

PFAU, Charles Julius. Properties of *E. coli* susceptible to the protoplast-infective agent pi.

WOODINGS, Eric Torrance. The microbial dissimilation of aromatic methyl ethers.

Institutum Divi Thomae Foundation

KOHLMILLER, JR., Elmer Frank. I. The effect of beef brain and beef spleen tissue extracts on experimental MM virus infections in mice. II. Comparison of aging in rabbits with their ability to subcutaneously localize a foreign protein.

State University of Iowa

FINNERTY, William Robert. Mechanisms of alkane oxidations by bacteria.

LONG, Keith Royce. Serological and passive transfer studies on cellular extracts from guinea pigs sensitive to 2,4-dinitrochlorobenzene.

Iowa State University of Science and Technology

BAUGH, Clarence Leonadas. Heterotrophic carbon dioxide fixation in extracts of *Nocardia corallina*.

ECKER, Richard Eugene. Mechanisms of growth control in bacteria.

LESSEL, JR., Erwin Francis. Nomenclature of taxa of the order *Actinomycetales* (*Schizomycetes*).

MICKELSON, John Clair. Factors influencing activity of microbial lipases.

University of Kansas

ATCHISON, Robert Wayne. Cytological and cytochemical studies of poliovirus type I on cultured human amnion cells.

CONSIGLI, Richard Albert. Biochemical studies on *C. Burnetii*.

COSTELLO, Richard Lynn. Studies on the effect of alteration of cholesterol metabolism on host resistance to tuberculosis.

Kansas State University

DAMSKY, Leon Joseph. Influence of colloidal and larger suspended particles on the respiration rate of *Aerobacter aerogenes*.

SASTRY, Ganti Ayyavari. The pathogenesis of certain canine bacterial nephritides.

SCHLEICHER, Joseph Bernard. Immunological detection of insect infestation in wheat and physical characterization of the extracted insect proteins.

Lehigh University

HERBERT, Michael. The comparative action of nitro and halogenated phenols on bacterial cells and their interaction with amino acids.

VAUGHAN, James Roland. Studies on pigmentation during growth of *Serratia marcescens*.

University of Maryland

CHAN, Eddie Chin Sun. A microbial interaction: studies on the enhancement of sporulation in *Bacillus sphaericus* by *Erwinia atroseptica*.

EFTHYMIU, Constantine C. An antigenic analysis of *Lactobacillus acidophilus* by the agglutination and fluorescent antibody techniques.

GILARDI, Gerald Leland. Nutritional studies of the yeast phase of *Blastomyces dermatitidis* and *Blastomyces brasiliensis*.

KRIEG, Noel Roger. Nutritional symbiosis between *Lactobacillus plantarum* and *Streptococcus faecalis*.

MORRISON, Thomas H. Directed conversion of a human urethral pleuropneumonia-like organism to a *Corynebacterium* sp.

VASINGTON, Paul John. Studies on passive hemagglutination with infectious bronchitis virus.

University of Massachusetts

DUTCHER, Ray Marvin. The immunological antigenicity of rapid heat inactivated viruses.

McGill University

CHEUK, Shu Fai. Nutritional and other studies of nephrotoxin-producing streptococci.

COOKE, Patricia Margaret. An antiviral substance from *Penicillium cyaneo-fulvum*.

University of Michigan

BLACK, Samuel Harold. The physiology of spores of a bacillus: mass production, normal and "endotrophic" sporogenesis, and permeability.

GRAIKOSKI, John Thomas. The simultaneous lethal effect of temperature and gamma radiation on bacterial spores.

JOSWICK, Harry Loren. Mode of action of hexachlorophene.

MARQUIS, Robert Edward. Bacterial permeability to a metabolically inert amino acid, alpha-aminoisobutyrate.

University of Minnesota

DUBBS, Del Rose Marie. Host cell-virus interactions in cultures of mammalian cells infected with Japanese encephalitis virus.

GLENCHUR, Harry. The serum agglutinating, blocking and precipitating antibodies and the proteins in brucellosis.

HINZ, Ronald William. Mammalian cells in culture for host cell-virus relationship studies.

WILLOUGHBY, Donald Stewart. Host-parasite relationships among group A streptococci. Part I. Hyaluronic acid production by group A streptococci. Part II. The influence of sex on the susceptibility of inbred mice toward streptococcal infection.

University of Missouri

CARROLL, Edward James. Urea utilizing organisms from the rumen.

GRAY, Raymond Francis. Studies on staphylococcal hemolysins.

MARSHALL, Robert Thomas. The evaluation of a mastitis control program in southwest Missouri.

SMITH, Kenneth Leroy. Penicillin in milk used for cottage cheese making.

The University of Nebraska

SABINA, Leslie Robert. Metabolic activities of amides in virus-infected cells.

SAMUEL-MAHARAJAH, Raphael. Study of *Beggiatoa* species.

THOMPSON, Paul Joel. A thermophilic aldolase: purification and partial characterization.

New York University

NAGLER, Arnold Leon. The pathogenesis of dermal injury produced by bacterial endotoxins.

The University of North Carolina

GALASSO, George John. Studies on the persistent infection of tissue culture with Meningopneumonitis virus.

The Ohio State University

MEYER, Richard Charles. Studies on the cellulose-digesting cytophaga of the soil.

PATTEE, Peter Arthur. Transduction of antibiotic resistance in *Staphylococcus aureus*.

RICHARDS, Ross James. The effects of antibiotics on lactic streptococci and lactic streptococcal host-phage relationships.

RITZ, Harry Leonard. A transduction analysis of complex loci in *Staphylococcus aureus*.

SINGH, Karam Vir. Properties and epidemiological behavior of porcine enteroviruses.

Oregon State University

BOWEN, James Milton. The inhibitory effect of certain combinations of antimetabolites and other compounds on the development of influenza virus.

DUGGAN, Dennis Edward. Physiological studies on radiation-resistant bacteria occurring in food.

ROA, Pedro Dante. Biochemical and physical factors influencing microbial denitrification reactions.

University of Pennsylvania

ECHLIN, Patrick. A cytochemical evaluation of a method for the isolation of the nuclear material in *Bacillus megaterium*.

FUKUYAMA, Thomas Tomio. Studies on the fermentation of galactose by *Streptococcus faecalis*.

GOLLUB, Edith G. Gene-enzyme relationships in the biosynthesis of the adenylic acid in *Salmonella*.

SHAYEGANI, Mehdi Gholamalizadeh. The intracellular fate of staphylococci.

The Pennsylvania State University

IBANEZ, Manuel Luis. The metabolism of sulfate by the bacterial chromatophore.

MAGINNIS, Richard Lawrence. A comparative study of some endocellular proteolytic enzymes of an oxidative type yeast.

SANTORO, Thomas. Studies on growth and antibiotic production of certain mycorrhizal fungi.

Purdue University

EMERY, Jerrell B. Characterization of a new non-cytopathogenic simian hemadsorption virus.

FRIEDMAN, Selwyn Marvin. Thermostability and molecular differences in bacterial flagella.

FRY, Kenneth A. Properties of flagella obtained from the facultative thermophile *Bacillus coagulans* 43P.

NOLLER, Eric Charles. Comparative lytic reactions of enterobacteriaceae.

Radcliffe College

NEWMAN, Elaine Barbara. The relationship of serine and glycine metabolism to the formation of single carbon units.

ROUSE, Harriet Clark. Influenza infections in nutritional variants of L cells.

SHEDLOVSKY, Alexandra Elizabeth. The role of histidine in the metabolism of adenine.

Rutgers University

KEMP, Gordon Arthur. Antigenicity and pathogenicity of *Candida albicans* infections in mice.

MEROLA, Armando John. Studies on the coupling reactions in the microbial biosynthesis of folic acid-like compounds.

TAYLOR, William James. Studies on lysogenesis in certain strains of *Staphylococcus aureus*.

State University of South Dakota

MARKOVETZ, Allen John. Metabolism of DL-aspartic acid involving formation of alanine by an aerobic pseudomonas.

University of Southern California

WALPER, John Francis. A study of some differences between *Streptococcus faecalis* and *Streptococcus faecium*: possible mechanism of reaction to tellurite.

YONENAKA, Hideo Hero. The route of glucose fermentation in *mucor racemosus*.

The University of Tennessee

MIRAGLIA, Gennaro John. The effect of infection with *Pasteurella tularensis* on the metabolism of white rats.

The University of Texas

KUHNLEY, Lyle Carlton. Physiological and immunological studies of *Leptospira*.

SCHINDLER, Charles Alvin. A staphylytic enzyme produced by a gram positive micrococcus.

University of Utah

DEIG, Elmer Frank. Phosphatase activity in homogenates and particulates from normal and poliovirus infected tissue cultures.

HATCH, Melvin Taylor. Studies of immunogenic substances contained in broth culture filtrate and lysate preparations of *Pasteurella tularensis*.

MARCHETTE, Nyven John. Experimental tularemia in wild animals.

Vanderbilt University

ROBINSON, John Price. The mechanism of antigen-antibody reactions.

University of Washington

COLWELL, Rita Rossi. Commensal bacteria of marine animals, a study of their distribution, physiology and taxonomy.

Washington State University

OKAZAKI, William. The effect of neutralizing antibody on the activity of Rous sarcoma virus inoculated via the yolk-sac of embryonated eggs.

The University of Wisconsin

APPELL, Raynor Norbert. Studies on the purification and localization of type E botulinum toxin.

CHIANG, Ching. The pentose metabolism and the oxidation of reduced pyridine nucleotides of *Penicillium chrysogenum*.

DASINGER, Bruce Lamar. Glutamate metabolism and virulence in *Brucella abortus*.

DOI, Roy Hiroshi. A physiological role of dipicolinic acid in dormant bacterial endospores.

JAYNE, Anne Elizabeth Cronin. Production and purification of the myxoma and fibroma viruses.

KAMMER, Herbert. Studies on the occult virus of swine influenza.

KORNFELD, Joseph Morton. Structural and physiological aspects of germination of conidia of *Penicillium chrysogenum*.

O'CONNOR, Richard James. The properties and function of the L-alanine dehydrogenase of aerobic spores.

RAJAGOPAL, Mudambi Veeraghav. Effect of low moisture on metabolism of *Micrococcus freudenreichii*.

REDFEARN, Maxwell Scott. An immunochemical study of antigens of *Brucella* extracted by the Westphal technique.

SCHNEIDER, Louis Eugene. An immunochemical study of some extracts from *Brucellae*.

BIOGRAPHY

University of California, Berkeley

BACKUS, Joseph Moorhead. Gelett Burgess: a biography of the man who wrote "The Purple Cow."

FROST, Richard Hindman. The Mooney case.

MILLER, Richard Connelly. Otis and his Times: the career of Harrison Gray Otis of Los Angeles.

University of California, Los Angeles

BRENT, III, Joseph Lancaster. A study of the life of Charles Sanders Peirce.

George Peabody College for Teachers

NEWPORT, Emma Vivian. The biographical writing of John Buchan.

Stanford University

BENNETT, James Richard. Francis W. Newman and religious liberalism in nineteenth century England.

University of Virginia

BAILEY, JR., William Wheat. Maxence Van der Meersch: the man and his works.

Yeshiva University

MARKOVITZ, Eugene. Henry Pereira Mendes (1877-1920).

BIOLOGY—GENETICS

University of Alabama

MANLEY, Lillian Cardwell. Comparative amino acid content of rat thymus.

Boston University

MAYNARD, Francis Louis. Mineral metabolism and micro-circulation in the hibernating hamster.

Brandeis University

MAHLER, Inga. Interference of T4r^{II} phage replication in *Escherichia coli* strain K 12 lysogenic for lambda.

The University of Buffalo

HAAS, Darrell William. Studies on the respiratory chain in potato tuber mitochondria.

University of California, Berkeley

ROSENBLATT, Leon Saul. A genetics study of resistance to shock in the chick embryo.

RUDDLE, Frank H. Chromosome variation in cell populations.

University of California, Davis

FASOULAS, Apostolos Constantine. A study of quantitative gene action in certain isogenic lines of barley.

JAIN, Subodh Kumar. An analysis of genetic variability in a bulk-hybrid population of barley propagated over 18 generations under natural self-fertilization without selection.

KHUSH, Gurdev Singh. Cytogenetic and evolutionary studies in the genus *Secale*.

LAW, George Robert John. Blood groups of turkeys.

SHAH, Suryakant Shankerlal. Cytological studies of *Dactylis* plants with abnormal chromosome numbers.

YERMANOS, Demetrios Mathew. Detection of non-allelic gene interactions in flax.

ZIMMERMAN, Leroy Harlan. Inheritance and associations of a dwarf-internode character in *Ricinus communis* L.

California Institute of Technology

BERNSTEIN, Harris. I. Imidazole compounds accumulated by purine mutants of *Neurospora crassa*. II. Complementation studies with Isoleucine-Valine mutants of *Neurospora crassa*.

STEINBERG, Charles Myron. I. Some theoretical problems arising in the genetics of bacteriophage. II. A critical test of a current theory of genetic recombination in bacteriophage.

WEILER, Ivan Jeanne Mayfield. Restoration of visual acuity after optic nerve section and regeneration, in *Astronotus ocellatus* Agassiz.

Catholic University of America

ANDERSON, Robert I. Relationship of antibody nitrogen to titer obtained in the cercarial antigen slide flocculation test for schistosomiasis. (Biological Studies No. 70.)

BOWES, Rev. David W. The effect of ultrasonic irradiation on the development of the ovary in the tropical fish *Lebistes reticulatus* (Peters). (Biological Studies No. 63.)

GELLENBECK, Sister Mary Mercy. Aerobic respiratory metabolism of *Staphylococcus aureus in vitro* and from an infected animal. (Biological Studies No. 69.)

LADD, Sister M. Francis Clare. A study of the return of pigment in regenerative tissue after inhibition by Phenylthiourea. (Biological Studies No. 67.)

MARROW, Eugene. The establishment and reactions of *Aristida oligantha* Michx. and *Aristida dichotoma* Michx. in early stages of plant succession. (Biological Studies No. 71.)

OSTDIEK, John L. Fluctuations in populations of Collembola within leaf litter in the Patuxent Research Refuge, Maryland. (Biological Studies No. 62.)

ROACHE, Lewie C. A revision of the North American Elaterid beetles of the tribe Elaterina (Coleoptera: Elateridae). (Biological Studies No. 64.)

ST. JOHN, Richard. A study of plasma corticosterone levels in the rat. (Biological Studies No. 65.)

STECHSCHULTE, Sister M. Agnes Louise. Isolation of biochemical and chromogenic mutants of *Micrococcus lysodeikticus* using lysozyme as the selective agent. (Biological Studies No. 68.)

VAN DENACK, Sister Julia Maria. An ecological analysis of the sand dune complex in Point Beach State Forest, Two Rivers, Wisconsin. (Biological Studies No. 66.)

Cornell University

SMART, Kathryn Marilyn. Studies on viral interference: influenza virus cultured in vitro on chick embryo chorio-allantoic membrane fragments.

University of Delaware

MURPHEY, Franklin James. The bionomics of *Culex salinarius* Coquillett.

Emory University

COLEMAN, Marion Trawick. Serological studies of *Tetrahymena pyriformis* with the aid of fluorescent antibodies.

WELLS, Margaret May. Nuclear differentiation in *Tetrahymena pyriformis* as affected by near infrared and X-radiation.

The University of Florida

SINGH, Mahendra. The effects of cobalt 60 gamma radiation on microsporogenesis and male gametophyte development in tomato (*Lycopersicon esculentum* Mill.).

The Florida State University

BARNETT, William Edgar. Nitrous acid-induced reversion at the *AD-3* locus of *Neurospora crassa*.

PERHAM, James Edwin. The development of a new biochemical genetic tool: *Podospora anserina* Niessl.

Fordham University

BREBBIA, D. Robert. The effects of sodium, potassium and calcium ions on the heart-beat and the electrocardiogram of the housefly, *Musca domestica* Linnaeus.

CARTER, Jerry J. Nuclear morphology and mitotic activity in the human endometrium observed in squash preparations.

MAHONEY, R.S.H.M., Mother M. Collette. The elimination of chromosomes by 6-Aza-Uracil from the meristematic tissue of *Allium cepa*.

MANOS, Georgia E. The effects of growth substances on attached and detached root tips of *Pisum sativum*.

McSWEENEY, Joseph. Cultivation in vitro of various tissues of the newt, *Triturus viridescens viridescens* (Rafinesque).

PIERRE, Leon L. Functions of symbionts in the fat body of the tropical cockroach, *Leucophaea maderae* (Fabricius).

TUMASONIS, O.F.M., Rev. Casimir. Wound healing in the compound eye and adjacent regions of *Oncopeltus fasciatus* (Dallas).

WASHINGTON, Curtis L. Separation and identification of acid-soluble nucleotides from tissues of *Leucophaea maderae* (Fabricius).

Harvard University

ARGUS, JR., George William. The taxonomy of the *Salix glauca* L. complex in North America.

DOWLING, John Elliott. Vitamin A deficiency and the mechanism of night blindness.

MAHADEVAN, Sundararaman. The enzymatic hydrolysis of nitriles.

PARAG, Yair. Genetic studies on somatic recombination and common-B heterokaryosis in *Schizophyllum commune*.

RAND, Austin Stanley. Ecology, behavior and morphology of anoline lizards in Puerto Rico.

SMITH, William John. Behavior homologies and classification in the Avian family Tyrannidae.

STUART, Alastair MacDonald. Experimental studies on communication in termites.

WHITTIER, Dean Page. Studies on induced apogamy in ferns.

WILLIS, John Steele. Osmotic regulation in the tissues of hibernating mammals.

University of Illinois

DEFRIES, John Clarence. Inter-line and intra-line variability in a population of *Drosophila* subjected to two intensities of selection in each of two directions.

DYSART, Richard James. Biology of the banded-wing whitefly, *Trialeurodes abutilonea* (Haldeman).

PRENSKY, Wolf. Quantitative genetics of height in *brachytic₂* corn.

Institutum Divi Thomae Foundation

GARCIA-DUARTE, Alejandro Garcia. The induction of resistance to isologous transplanted and spontaneous tumors in inbred strains of mice.

SAGURTON, James Reynolds. Low energy electron bombardment of microorganisms.

TRACY, Sister Mary Joanna. Studies on induction of resistance to tumor development in the C3H mouse.

Iowa State University of Science and Technology

BOHIDAR, Neeti Ranjan. Role of sex-linked genes in quantitative inheritance.

HARRIS, Dewey Lynn. Index selection as influenced by errors of parameter estimation.

HUFF, Ronald Leon. Effects of partial-body x-radiation on learning of inbred strains of mice.

HUFF, Sally Dachtler. Volitional activity of inbred and hybrid mice as influenced by x-radiation.

HYER, Angus Hillyard. Non-allelic gene interactions in a population of maize derived from a cross of two inbred lines.

NASH, Donald Joseph. Effects of in utero irradiation upon postnatal development in the mouse.

SMITH, James Douglas. A mutable luteus locus in maize.

STRAIN, John Henry. Genetic-economic factors in broiler meat production.

WILLIAMS, JR., John Caswell. Genetic variances in an open-pollinated variety of corn estimated from full-sib and half-sib progenies.

The Johns Hopkins University

GALLANT, Jonathan Abraham. Studies on thymineless death in *Escherichia coli*.

LOPER, John Carey. Gene-enzyme relationships in histidine biosynthesis in *Salmonella*.

MOYER, JR., Frank Henry. The developmental genetics of melanocyte differentiation analyzed with the electron microscope.

University of Kansas

HALL, JR., Clarence Coney. Eriophyidae of Kansas.

Kansas State University

MAAN, Shivcharan Singh. Cytogenetic evaluation of inheritance of resistance to leaf rust in hybrids involving certain common wheat strains derived from *Triticum timopheevi* Zhuk.

University of Maryland

HARDING, JR., Wallace Charles. Flea beetles of the genus *Epitrix* in Maryland (Chrysomelidae: Halticinae).

Massachusetts Institute of Technology

CARLSON, Gerald Lowell. Studies on the mechanism of action of thiamine pyrophosphate.

MACLEAN, Elizabeth Cameron. Structure of bacteriophage ϕ X-174 by electron microscopy.

MILLER, Richard Wilson. Nitrogen transfer reactions of aspartic acid in purine biosynthesis.

PLOCKE, Donald Joseph. Alkaline phosphatase of *E. coli*; a zinc metalloenzyme.

McGill University

WARBURTON, Dorothy Pamela. Factors in the aetiology of spontaneous abortion.

Michigan State University

PRATT, David Richard. A comparison of mass selection with inbred lines and line crosses in the laboratory rat.

University of Minnesota

BAKER, Laurence Holland. Linkage and heterozygosity in finite populations.

IZUNO, Takumi. Characters affecting ear retention in parental inbreds and F₁ progeny of *Zea mays* L.

RAHNEFELD, Gunther Wolfgang. Response to selection as reflected in population performance in combining ability in mice.

VOGT, Dale William. Genetic correlations between some economically important traits in swine.

University of Missouri

HSU, Kuang Sing. The effect of the dissociation-activator system on mutation in maize.

OKAMOTO, Masasuke. Studies on the relationships among the chromosomes of hexaploid wheat.

The University of Nebraska

HARPSTEAD, Dale Douglas. The effects of gamma ray and thermal neutron irradiation on dormant flax seeds as measured by oil quality and seed yield.

MCCRADY, William Boyd. Investigation of genes influencing carbon dioxide sensitivity in *Drosophila melanogaster*.

New York University

BECKERT, William Henry. A comparative study of nuclei of various types of cells in representative species of the subphylum Vertebrata, with respect to the sex chromatin body.

FEIGELSON, Muriel H. Macromolecules as related to cell division in normal and regenerating liver; their structural organization, metabolic patterns, and regulation.

PADNOS, Morton. Cytological and serological characteristics of *Colpoda maupasi*, with special reference to the encystment process.

SLOBODA, Adolph Edward. A cytological analysis of the S91 mouse melanoma in tissue culture.

North Carolina State College

EBERHART, Steve A. Epistatic and other genetic variances in two varieties of corn (*Zea mays* L.)

JONES, Alfred. Character association analysis in alfalfa.

KONSLER, Thomas Rhinehart. A quantitative analysis of the growth and regrowth of a forage crop.

LINDSEY, Marvin Frederick. The effects of linkage bias on estimates of genetic variances and the average degree of dominance for genes influencing quantitatively inherited characters in the F and advanced generations of a hybrid population of corn.

LOESCH, Peter Joseph. Inheritance studies of X-ray mutants and the effect of the mutated background genotype on mutant expression in *Arachis hypogaea* L.

SFICAS, Achilles George. Statistical analysis of chromosome pairing in interspecific hybrids of *Nicotiana*.

YU, Pao-lo. Random inbred lines of corn and their performances in hybrid combinations at different levels of inbreeding.

Northwestern University

BLINN, Walter Craig. Aspects of ecology, behavior, and physiology of land snails, particularly of *Mesodon thyridoides* (Say) and *Allogona profunda* (Say).

University of Oregon

HANKS, George Davis. The analysis of a case of meiotic drive in *Drosophila melanogaster*.

KHANNA, Pushpa. Ontogeny and embryology in *Mertensia*.

Oregon State University

BROOKS, Stanley Nelson. Variability of morphological and chemical quality characteristics in flowers of male hops, *Humulus lupulus* L.

CLOTHIER, Galen Edward. Cyclic uptake of calcium-45 by dividing sea urchin eggs.

MILTIMORE, James Earl. Factors influencing survival of tall fescue (*Festuca arundinacea*, Schreb.) propagules.

WILSON, Marvin L. A method of breeding for resistance to fusarium and bacterial wilt in alfalfa.

Princeton University

PRICE, Steven. The effects of triploidy and metamorphosis on the free amino acids of urodele larvae.

RAGHAVAN, Valayamghat. Floral histogenesis and physiology of *Perilla*.

Purdue University

BEMILLER, Paraskevi Mavridis. Effect of temperature on spontaneous and induced activity of arthropod nervous tissues.

BROWN, William Paul. Hybrid behavior of two plateaued populations of *D. melanogaster* with subsequent selection by four methods for the original trait fecundity.

CALLANTINE, Merritt Reece. The role of relaxin in the regulation of the myometrium of the rat.

ELEFTHERIOU, Basil Eleftherios. The role of the thyroid gland during growth and maturation in two subspecies of *Peromyscus maniculatus*.

FISHER, JR., Frank M. Interactions between Sporozoa and their insect hosts.

GORDEE, Robert Stouffer. Inhibition and structural studies of the microsclerotia of *Verticillium albo-atrum* R and B.

METZGAR, JR., Don Phillip. The effects of streptomycin on mammalian cells.

PYKE, Thomas Richard. Studies on the cellular composition and germination of microsclerotia of *Verticillium albo-atrum* R&B.

SADLER, William Anderson. Uterine responses to prolonged estrogenic stimulation.

Radcliffe College

BOWERS, Mary Blair. An experimental study of the cytology of the *Cecropia* silkworm during metamorphosis.

CROWELL, Jane. The fine structure of the egg and early cleavage stages of the marine snail, *Ilyanassa obsoleta*.

REIS, Siri Sylvia Patricia von. The genus *Anadenanthera*: a taxonomic and ethnobotanical study.

WILLIS, Judith Horwitz. The micromorphology of wing development with special reference to the *Cecropia* silkworm.

The University of Rochester

ARONSON, Margaret Mackay. Part A—Some properties of the centromere. Part B—Segregation of non-homologous chromosomes in the female of *Drosophila melanogaster*.

COON, Hayden Gaylord. Part A—Intercellular relations controlling embryonic differentiation and organization. Part B—Some cell culture studies of urodele mesoderm.

HOPKINS, Betty Jo Henderson. The effect of oxygen on the radiosensitivity of the chick embryo.

ROTHEIM, Minna B. Part A—The complex locus. Part B—A complex genetic locus concerned with streptomycin resistance in pneumococcus.

The Rockefeller Institute

BONNEVILLE, Mary Agnes. The cytological changes in the intestinal epithelium of the bullfrog during natural and induced metamorphosis: a light and electron microscope study.

OTTOLENGHI, Elena Isabella Rachele. The release of genetically active transforming substance by normally growing and by disintegrating pneumococcal cultures.

SHATKIN, Aaron Jeffrey. The relationship of *myo*-inositol to morphology in *Neurospora crassa*.

WHEELLOCK, Earle Frederick. Cellular response to multiplication of a cytotoxic virus.

St. John's University

SARDINAS, Joseph Louis. Microbiological transformations of steroids by *Cephalosporium* species and other deuteromycetes.

TENDERDY, Robert Paul. Redox potential changes and their significance in the 'keto-L-gulonic acid fermentation'.

St. Louis University

BAUMILLER, S.J., Robert Cahill. The effects of X-ray induced, euploid and near-euploid mutants in heterozygous condition upon developmental states of *Drosophila melanogaster*.

Stanford University

BANTA, Benjamin Harrison. The variation and zoogeography of the lizards of the Great Basin.

BARRY, Edward Gail. A complex Chromosome rearrangement in *Neurospora crassa*.

LEVINE, Estes Potter. Studies on the structure, reproduction, development, and accumulation of metals in the Colonial Ascidian *Eudistoma ritteri* Van Name, 1945.

Syracuse University

O'NEIL, Louis C. The effects of defoliation by *Neodiprion swainei* Midd. on the growth of *Pinus banksiana* Lamb.

The University of Texas

HANLY III, Edward William. Part I: Tissue culture of *Drosophila*. Part II: Pteridines and eye pigmentation in *Drosophila melanogaster*.

University of Utah

MIA, Md. Mohatazuddin. Cytogenetic studies on the patterns of evolution of the *Mimulus glabratus* complex (Schrophulariaceae).

Vanderbilt University

PARCHMENT, John Geral. A limnological study of Stones River, Tennessee.

University of Virginia

BABCOCK, Richard George. Ribonucleic acid and lens induction in the *Xenopus laevis* (Daudin).

EMMONS, Lyman Randlett. The chromosomes of spontaneously aborted embryos, a child with congenital deformities, and an adult female with chronic myeloid leukemia.

FLAGG, Raymond Osbourne. Investigations in the tribe Zephyrantheae of the Amaryllidaceae (taxonomic and cytological studies of *Cooperia*, *Zephyranthes* and of related and derived taxa).

GROSECLOSE, Nancy Pence. A study of the effects of x-irradiation on *Xenopus laevis* tadpoles.

PEIGHTEL, William Edgar. Observations on shell regeneration by *Triodopsis albolabris* (Say).

PUGH, Jean Elizabeth. A contribution toward a knowledge of the hind-gut of fiddler crabs (Decapoda, Grapsidae).

Western Reserve University

BLUM, Livia Freund. Studies on the properdin system: demonstration, isolation and properties of a serum factor which interacts with zymosan and other polysaccharides at 0°C.

CLISE, Ronald L. Factors contributing to the low survival rate of bar eyed *Drosophila melanogaster*.

RHEA, Robert Perry. Investigation of embryo chick hearts cultured in fractions of yolk medium.

William Marsh Rice University

SOLOFF, Bernard. A study of delayed implantation in the mouse.

The University of Wisconsin

ALLEN, Anton Markert. The occurrence and demonstration of spontaneous and experimentally-induced mitosis in mast cells of the rat.

DIXON, John Charles. The biology and ecology of the Jack-pine budworm in Wisconsin with special reference to insect parasites.

FRIEDMAN, Lawrence David. X-ray induced sex-linked lethal and detrimental mutations and their effect on the viability of *Drosophila melanogaster*.

KORMAN, Ruth Zloten. Genetic transduction studies with Staphylophage 53.

LEE, Peter Elliot. Some studies on the aster-yellow virus and transmission by the six-spotted leafhopper *Macrostes fascifrons* (Stal.).

NATH, Joginder. Cytology in relation to self- and cross-fertility in timothy (*Phleum pratense* L.) with particular reference to anomalous cytological behavior.

BIOPHYSICS

University of California, Berkeley

ASHIKAWA, James Katashi. The lipid syndrome in mammalian radiobiology with emphasis on postirradiation protection of animals with lipids.

BRILL, A. Bertrand. Leukemia as a late effect of radiation in humans.

YANOF, Howard Merar. A new trapezoidal wave electromagnetic blood flowmeter and its application to the study of blood flow in the dog.

University of California, Los Angeles

RUBENSTEIN, Irwin. Some aspects of the molecular organization of the T₂ bacteriophage.

University of Chicago

HOROWITZ, Edwin Bernard. Control of galactokinase formation in *Escherichia coli*.

University of Colorado

TJIO, Joe Hin. The chromosomes of man.

Columbia University

WINGATE, Catharine Louise. Experimental determination of absorbed dose from x-rays near the interface of soft tissue and other material.

Cornell University

NOLD, Max Marcell. Tissue dosimetry—measurement of a beta and gamma-emitting radionuclide (Cs¹³⁷).

The Johns Hopkins University

BRINLEY, JR., Floyd John. Potassium accumulation and transport in the rat sympathetic ganglion.

University of Michigan

BARBER, Donald Edward. The reaction of luminous bacteria to microwave radiation exposures in the frequency range of 2608.7 to 3082.3 megacycles.

The Pennsylvania State University

FARWELL, Robert William. The influence of certain physical factors on horseradish peroxidase reactions.

University of Pittsburgh

COAHRAN, David Richard. The effect of ultraviolet irradiation on nucleic acid isolated from tobacco mosaic virus.

The University of Rochester

LOVE, Bruce B. Part A—The triplet state of polyatomic molecules. Part B—Physical and photochemical properties of a chlorophyll-dioxane complex.

The Rockefeller Institute

DEVOE, Robert Donald. Electrical responses to flicker in the eye of the wolf spider, *Lycosa baltimoriana*.

Yale University

DELIHAS, Nicholas. Radiation and multiplicity of infection studies on the ability of bacteriophage to initiate the synthesis of dCMP hydroxymethylase in *E. coli*.

FAWAZ-ESTRUP, Faiza. Physical studies on soluble ribose nucleic acid.

BOTANY

University of Arizona

CAMERON, Roy Eugene. Algae of the Sonoran Desert in Arizona.

University of British Columbia

- GILMARTIN, Malvern. The primary production of a British Columbia fjord.
- MURISON, William Forbes. Macronutrient deficiency and its effect on coniferous growth.

University of California, Berkeley

- COOK, Stanton Arnold. Aspects of the biology of *Eschscholzia californica* Cham.
- FORK, David Charles. Studies on photosynthetic enhancement in relation to chlorophyll *a* activity and accessory pigment function.
- KRUGMAN, Stanley Liebert. Germination potential of sugar pine seed (*Pinus lambertiana* Dougl.) during maturation and associated biochemical changes.
- ORNDUFF, Robert. Patterns of evolution in the Goldfield genus *Lasthenia*: a biosystematic survey.
- WHISLER, Howard Clinton. Cultural studies of the Trichomycetes.

University of California, Davis

- FISH, Almon Sutphen. Respiratory activity and reduced glutathione content in Lovell peach (*Prunus persica* (L.) Batsch) embryos during development and subsequent breaking of the rest.
- LAMOUREUX, Charles Harrington. Comparative studies on phloem of vascular cryptogams.

University of California, Los Angeles

- DAWES, Clinton John. A survey of the cell walls of brown, red, and green algae with light and electron microscopes.
- FURUMOTO, Warren A. Studies on the mode of infection and the specific infectivity of tobacco mosaic virus.
- HOSHIZAKI, Takashi. The effect of rotation around a horizontal axis on the growth and flowering responses of *Xanthium pennsylvanicum*, Wallr.
- SOLBERG, Richard A. Tissue relationships of a naturally occurring and an alien form of TMV in *Nicotiana glauca* Grah.

University of Chicago

- AHLOOWALIA, Beant Singh. Interspecific hybrids involving species with pedicelled flowers in the genus *Collinsia*.
- BELL, Sandra L. Interspecific hybrids involving species with sessile flowers in the genus *Collinsia*.
- BELL, William David. Studies on the uptake and translocation of iron by the yellow-stripe maize mutant (Ys₁).
- CANTORIA, Maria Magdalena Delacuesta. Effect of temperature on the growth and development of *Datura stramonium* L. and *Atropa belladonna* L.
- PATERSON, Betsy R. Studies of floral morphology in the Epaeiridae.

RAI, Karamjib Singh. Trisomic inheritance in *Collinsia heterophylla*.

VERGARA, Benito S. Influence of photoperiod on the water uptake of *Xanthium*.

The Claremont Graduate School

- ANDERSON, Edward Frederick. A taxonomic revision of *Ariocarpus*, *Lophophora*, *Pelecypora*, and *Obregonia* (family Cactaceae).
- BEEKS, Richard. Variation and hybridization in southern California populations of *Diplacus* (Scrophulariaceae).
- SHAW, Richard J. The biosystematics of the genus *Scrophularia* in western North America.
- WIENS, Delbert. A taxonomic study of the Acataphyllous species of *Phoradendron*.

Columbia University

- BOUCK, George Benjamin. Chromatophore development, pits and other fine structure in the red alga, *Lomentaria baileyana* (Harv.) Farlow.
- DE, Deepesh Narayan. Autoradiographic studies of nucleoprotein metabolism during the division cycle.
- FANTINI, Amedeo Alexander. Genetics and antibiotic production of *Emericellopsis* species.
- JACOBSON, Jay Stanley. The isolation, characterization and biosynthesis of the brown pigments of autolyzed tobacco leaves.
- LEDBETTER, Myron C. Anatomical and morphological comparisons of normal and physiologically dwarfed seedlings of *Rhodotypos tetrapetala* and *Prunus persica*. [Reprinted from *Contributions from Boyce Thompson Institute*, Vol. 20, No. 8 October-December, 1960. pp 437-458.]
- MORRIS, Yvonne Naum. Aseptic culture and ontogeny of five species of leafy liverworts (*Jungermanniales*).
- PETERSEN, Ronald Herman. The aquatic hyphomycetes of the eastern United States.

Cornell University

- CALO, Nona Luz. Studies on photosynthesis by isolated chloroplasts.
- DE GUZMAN, Emerita de Vera. On the functions of copper in the nutrition of plants.
- HESKETH, John Dow. Photosynthesis: leaf chamber studies with corn.
- HUEBER, Francis Maurice. Contributions to the fossil flora of the Onteora "Red Beds" (Upper Devonian) in New York State.

Duke University

- CLEBSCH, Edward Ernst Cooper. Comparative morphological and physiological variation in Arctic and Alpine populations of *Trisetum spicatum*.

LOPUSHINSKY, William. A study of the relation of salt movement to water movement through tomato roots.

ROBINSON, Harold Ernest. Generic revisions of North American Brachytheciaceae.

The University of Florida

HOLMSEN, Theodore Waage. Geotropism and transport of indoleacetic acid in normal and ageotropic *Zea mays* L.

The Florida State University

- HENDERSON, Norlan C. A taxonomic revision of the genus *Lycopus* (Labiate).
- HUGHES, III, Gilbert C. Ecological aspects of some lignicolous fungi in estuarine waters.

University of Hawaii

STONE, Benjamin Clemens. The wild and cultivated *Pandanus* of the Marshall Islands.

University of Illinois

- BILS, Robert Frederick. Biochemical and cytological changes in the developing soybean cotyledon.
- DOYLE, Gregory George. Preferential pairing in structural heterozygotes of *Zea mays*.
- GOVINDJEE. Effect of combining two wavelengths of light on the photosynthesis of algae.
- GOVINDJEE, Rajni. The action spectrum of the Hill reaction in whole algal cells and chloroplast suspensions (red drop, second Emerson effect and inhibition by extreme red light).
- LIBERTA, Anthony Eugene. A taxonomic analysis of section *Athele* B. & G. of the genus *Corticium* Pers. ex S.F. Gray.
- MATCHETT, William Hayes. Degradation of cell wall constituents and its relation to growth in pea seedling epicotyls.
- RADLOFF, JR., Henry William. The taxonomy of *Lactuca* (Compositae) in North America north of Mexico.
- WHITCOMB, Robert Franklin. Assay of wound-tumor soluble antigen in extracts from single insect vectors and from groups of vectors.

Indiana University

- FOX, Juan Eugene. Factors in corn steep water promoting the growth of plant tissues.
- GUENNEL, Gottfried Kurt. A comparative paleobotanical investigation of the Indiana and Russian paper coals.
- MORRISON, Ralph Michael. A study of *Erysiphe cichoracearum* DC. Ex merat on detached leaf culture.
- SINHA, Sushil Kumar. Cytogenetic and biochemical studies of the action of a gene controlling meiosis in maize.

State University of Iowa

- COLLINS, O'Neil Ray. Heterothallism and homothallism in two Myxomycetes.
WHITE, Derrell Bruce. Effects of tissue extracts on the growth of intact roots.

Iowa State University of Science and Technology

- LACROIX, Lucien Joseph. Seed dormancy in *Abutilon theophrasti* and *Polygonum pennsylvanicum*.
WEBER, Cornelius Irenius. The measurement of carbon fixation in Clear Lake, Iowa, using carbon-14.

University of Kansas

- CRIDLAND, Arthur Albert. Amyelon ionense (Pierce and Hall) comb. nov., with notes on other Cordaitacean roots.
FARIDI, M. Aslam Farooq. A monograph of the fresh-water species of *Cladophora* and *Rhizoclonium*.
UNGAR, Irwin Allan. An ecological study of the vegetation of the Big Salt Marsh, Stafford County, Kansas.

Louisiana State University

- BINGHAM, Samuel Wayne. Some effects of N-(3,4-Dichlorophenyl) methacrylamide on the early growth and certain respiratory enzymes of cotton.
DUKES, JR., George Houston. Some tertiary fossil woods of Louisiana and Mississippi.
FUNDERBURK, JR., Henry Hanly. A study of some physiological processes of corn as affected by N-(3,4-dichlorophenyl) methacrylamide.
GRIMM, Robert Blair. Respiratory changes associated with Victoria blight of oats.

University of Maryland

- BAER, Charles Henry. The comparative xerophytism of individual sunflower leaves relative to their age and location along the stem axis.
MATHES, Martin C. Factors affecting the translocation of 2,4-D.

McGill University

- IBRAHIM, Ragai Kamel. Biosynthesis of some phenolic acids and lactones in higher plants using carbon-14.

University of Michigan

- GREENE, George Linden. Investigations on the physiology of the black knot disease of cherry.
MICKEL, John Thomas. A monographic study of the fern genus *Anemia*, subgenus *Coptophyllum*.
SCHWEMMIN, Donald Jack. Light-controlled reproductive differentiation in *Aspergillus ornatulus*.

- STEIN, Howard Jay. Some aspects of the uptake and utilization of glutamic acid by tobacco.

- WILSON, James Stewart. Variation of three taxonomic complexes of the genus *Cornus* in eastern United States.

Michigan State University

- BULMER, Glenn Stuart. The germination of basidiospores of *Calvatia gigantea* and related genera.
CHANG, Chong Won. Effects of ionizing radiation on the nucleic acids during barley embryonic development.
COCKERLINE, Alan Wesley. Studies on the development of barley embryos in culture.
HAMILTON, JR., Robert Hillery. I. Studies on plant growth substances (and) II. Isolation and partial characterization of the precursor of 6-methoxybenzyl.
ISLAM, A. K. M. Nurul. A revision of *Stigeoclonium* and critical studies in related genera.
PEPPER, Evan Harold. The microflora of barley, their isolation characterization, etiology and effects on barley, malt and malt products.
VAN'T HOF, Jack. Rate changes of the mitotic cycle.

University of Minnesota

- ANDERSEN, Robert Neils. Investigations of the basis of selective action of dalapon.
HSI, Ye-Tseng. Taxonomy, distribution and relationships of the species of *Cirsium* belonging to the series *Undulata*.

University of Missouri

- MCDONALD, JR., James Clifton. Studies on two species of the genus *Archangium* (Myxobacterales).

The University of Nebraska

- BRASHIER, Clyde Kenneth. Interrelationships within the genus *Commelina* (Plum.) L. in the United States of America.
ROWLAND, Neil Wilson. Effects of maleic hydrazide on transpiration of red kidney bean.

University of New Hampshire

- WEERARATNE, Victor. Studies on the inhibition of tobacco mosaic virus infection by plant juices, growth regulators, and systemic insecticides.

New York University

- FREUDENTHAL, Anita Marko. Studies on the phytoplankton of the Tackapausha Preserve Water System, Long Island, New York.
PRAGER, Jan Clement. Morphological, physiological, and nutritional observations on *Glenodinium foliaceum* Stein.

The University of North Carolina

- BURK, John Carl. A floristic study of the Outer Banks of North Carolina.
HORTON, James H. A monograph of *Delopyrum* Small, *Dentoceras* Small, *Polygonella* Michx., and *Thysanella* Gray (Polygonaceae).
UMPHLETT, Clyde Jefferson. Comparative studies in the genus *Coelomomyces* Keilin.

The Ohio State University

- ALI-MIAH, Mohammad Myser. Comparison of the physiology of certain isolates of *Colletotrichum graminicola* and their pathogenicity on wheat.
LAUFERSWEILER, Joseph Daniel. Ecological relationship between man and the natural vegetation in Union County, Ohio.
RYPMA, Richard Blaine. The structure and pattern of the primary forests of Athens and Washington counties, Ohio.
TOOP, Edgar Wesley. Verticillium and Fusarium wilts of chrysanthemum and the use of cycloheximide as a chemotherapeutant.
WALKER, Jerry Tyler. Influence of time, temperature, and chemicals in the control of idogyne species.
root knot on propagating stock, and the comparative effect of temperature on melon.
WILLIAMS, James Floyd. Nitrogen sources in relation to subsequent virulence of *Colletotrichum phomoides*.

Oregon State University

- DAWSON, James Robert. Factors affecting the uptake of iron in *Spirodela oligorhiza* (Kurtz) Hegelm.
PECHANEC, Anna Alice. Some aspects of the ecology of the Bryophytes in the Three Sisters Primitive Area.
SWEDBERG, Kenneth Charles. The coniferous ecotone of the east slope of the Northern Oregon Cascades.

University of Pennsylvania

- FORMAN, Richard Townsend Turner. Growth under controlled conditions; an explanation of the distribution patterns of a moss *Tetraphis pellucida*.
HOLOWINSKY, Andrew Wolodymyr. Metabolic studies of *Bryophyllum* leaf tissue with particular reference to Crassulacean acid metabolism.
KIDDER, III, George Wallace. Studies on the inhibitor resistant respiration of the mycelium and particulate extracts from *Myrothecium verrucaria*.
KONRAD, Eva. Developmental studies on regenerates of *Callithamnion roseum* Harvey.

University of Pittsburgh

- CLUTTER, Mary Elizabeth. Chemical control of differentiation in plant tissue culture.

Purdue University

EGLEY, Grant Harvey. Zootoxicity of cockle-bur (*Xanthium pennsylvanicum*).

LIU, Lii-jang. Urediospore morphology of the pathogenic variants of *Puccinia graminis*.

SCHREIBER, Lawrence Ray. The soil survival and germination of Conidia and Microsclerotia of *Verticillium albo-atrum* Rke. and Berth.

ZIMMER, David Ernest. Mechanisms of variability of *Puccinia coronata*.

Rutgers University

HILL, Peter. Factors affecting the interrelationships involved in protein synthesis.

Stanford University

IVERSON, Grace Eleanor Blanchard. Karyotype evolution in the leafy liverwort genus *Frullania*.

Syracuse University

POWERS, Harold O. A blade tissue study of forty-seven species of Aceraceae.

VICK, Alphonso Roscoe. Some pollen profiles from the coastal plain of North Carolina.

WATREL, Albert Adam. A study of the seedling anatomy and leaf ontogeny of *Solanum melongena*, L. var. *Esculentum* Nees. (New Hampshire hybrid.)

The University of Tennessee

HEBB, Edwin Atkins. The relation of soil and other site factors to forest composition and productivity in west Tennessee.

The University of Texas

DEASON, Temd Robert. Exploratory studies of Texas soil algae.

ERBE, Lawrence Wayne. A biosystematic study of the *Phlox cuspidata*-*Phlox drummondii* complex.

University of Toronto

PARMELEE, John Aubrey. Life history studies in the Uredinales.

SUTTON, Roscoe Murray Davidson. Studies on the bacteriophages for the formae speciales of *Xanthomonas translucens* on cereals.

VANDEN BORN, William Henry. Histochemical and physiological studies on shoot tips and buds of White Spruce (*Picea glauca* (Moench) Voss).

University of Utah

BUCHANAN, Hayle. The plant ecology of Bryce Canyon National Park.

LINDSAY, Delbert William. The crossing behavior and cytogenetics of *Mimulus guttatus* Fischer in the Bonneville Basin.

NEWMAN, David William. A study of the mechanism(s) of fluoride-induced chlorosis.

Utah State University

ROSS, Cleon Walter. The effect of fluoride on glucose catabolism in plant leaves.

Washington University

BURGER, William Carl. A revision of the genus *Sorocea* and allied genera of the New World.

PHILLIPS, Tommy Lee. American species of *Botryopteris* from the Pennsylvanian.

University of Washington

GROVER, Rajbans. Some aspects of Ca-Mg nutrition of plants with special reference to serpentine endemism.

The University of Wisconsin

BEALS, Edward Wesley. Encological life history of the genus *Antennaria* in southern Wisconsin.

CAWLEY, Edward Thomas. A phytosociological study of the effect of grazing on southern Wisconsin woodlots.

GROSKLAGS, James Henry. A study of *Cephalosporium salmosynnematum* and related species.

ICHIDA, Allan Ai. A study of *Aspergillus glaucus* group populations in Wisconsin.

KONIJN, Theodore Mattheus. Cell aggregation in *Dictyostelium discoideum*.

OLSON, James Walter. Soil algae of some conifer and hardwood forests.

SCHMID, Walter Egid. A naturally occurring chelate of iron in xylem exudate.

STEINHART, Carol Ann Elder. The nutrition of spruce tissue cultures.

STRUICK, Gwendolyn Jessica. Ecological adaptations of annual plants in southern Wisconsin.

WAGNER, Russel Olson. Distribution patterns of some prairie plants and their relationships to methods of reproduction.

WILLIAMS, Philip Gladstone. Respiratory metabolism and related enzyme systems of wheat stem rust uredospores.

Yale University

CHAMBERS, Henrietta Laing. A cytotoxic study of the genus *Pycnanthemum* (Labiatae).

DECKER, Jane McLaughlin. Wood anatomy and phylogeny of Luxemburgieae (Ochnaceae).

EBINGER, John Edwin. Systematic anatomy of the genus *Luzula* (Juncaceae), and a taxonomic study of the subgenus *Pterodes*.

ISHIKAWA, Tatsuo. Genetic and biochemical studies at the AD-8 locus in *Neurospora crassa*.

JAYNES, Richard Andrus. Genetic and cytological studies in the genus *Castanea*.

SODERSTROM, Thomas Robert. A taxonomic study of the *Epicampes* group of the genus *Muhlenbergia* (Gramineae).

CHEMISTRY

GENERAL

Boston University

BRUNO, John Joseph. Synthesis of three isomers of linoleic acid.

EVERHART, Donald Lee. A preliminary investigation into the chemical nature of the rh antigens.

MANOLOPOULOS, Philip T. Behavior of Δ^2 -dihydropyran over hot alumina.

MCGANDY, Edward Lewis. The molecular and crystal structures of phosphinoborane and dimethylsulfoxide-boron trifluoride.

PRICE, Elton. Part I. Ionization equilibria of mono-*P*-methyl and mono-*P*-trideuterio-methyl triphenylchloromethane in liquid sulfur dioxide. Part II. Spectrophotometric and conductance studies of some triphenylchloromethane derivatives in nitrobenzene at 25°.

TSIGDINOS, George Andrew. Heteropoly molybdate anions of certain fifth group and transition elements: partial elucidation of structures and chemical properties.

Polytechnic Institute of Brooklyn

DAVIDSON, Edmund Benjamin. Monomers and polymers containing the trifluoromethyl group.

FADNER, Thomas Alan. Solid state polymerization of crystalline acrylamide.

FERRARO, John J. Studies on the reactivity of polymeric thiol groups.

GAETJENS, Erick Charles. Intramolecular carboxylate attack on ester groups.

LOPATIN, George. The adsorption of polymethacrylic acid from solution.

RUBIN, Isaac D. Solid state polymerization of unsaturated carboxylic acids and their alkali salts.

University of California, Los Angeles

HANSEN, Robert L. 1,5 neighboring carbon and hydrogen effects in a rigid system.

RICKBORN, Bruce F. Stereochemistry and kinetics of electrophilic substitution at saturated carbon.

SILVA, Ricardo Augusto. The simulated biosynthesis of strychnine.

California Institute of Technology

JONES, Richard Theodore. Chromatographic and chemical studies of some abnormal human hemoglobins and of some minor hemoglobin components.

ROLFE, Ronald Efrom. I. The relative homogeneity of microbial DNA. II. The molecular arrangement of the conserved subunits of the DNA of *E. coli*.

Carnegie Institute of Technology

BRANDAU, Betty Lee. Part I. Preparation of phosphorus tri-*n*-methylimide. Part II. Phase studies of the methyl amine-hydrogen chloride systems.

MORRISON, David Lee. A systematic study of (p,xp) reactions in the 100 to 400 Mev energy range.

WAGNER, Raymond Peter. Part I. Acid properties of triply connected phosphorus. Part II. Reaction of dimethylaminomethylphosphines with boron trihalides and trialkyls.

Catholic University of America

AMBS, William J. The elementary reactions of hydrogen atoms.

BORKOWSKI, Raymond P. An investigation of elementary reactions involving hydrogen atoms.

CONWAY, Bro. Columban. An experimental study of cavitation phenomena.

COSGRAVE, Desmond P. Reactions of the imine radical (NH) at liquid nitrogen temperature.

CURRIE, Charles L. The vapor-phase photolysis of methyl azide.

LA PIETRA, Brother Richard A. An electrochemical study of the passage of hydrogen atoms through a diaphragm cathode.

MILLER, Eugene D. Reactions of the imine radical.

MOLLOY, Brother Andrew A. Absorption in the paper chromatography of the lower fatty acids.

SCHEEL, Brother Nivard. Electronic excitation in atomic collisions.

SCHWANE, Reverend Robert A. An examination of the role which adsorption plays in the paper chromatography of some sugars and allied compounds.

WADLINGER, Robert L. Elementary hydrogen atom reactions.

ZOVKO, Carl T. The mechanism of the transition from deflagration to detonation in high explosives.

University of Chicago

BLACKWELL, Ashby C. Acid strength of malonic esters.

BRAUNER, Kenneth M. Anodic coulometry of trace amounts of copper and derivative polarography.

BROIS, Stanley James. Synthetic and kinetic studies on aziridines.

CHISHOLM, Ronald C. Thermal effects associated with magnetic ordering in iron group chlorides. The low temperature heat capacities of CrCl₂, MnCl₂, CoCl₂ and CuCl₂.

COYLE, Donald James. The radiolysis of aralkyl ketones.

FISH, Robert Alden. The luminosity distribution of the spiral galaxy NG5055 and the masses of the two elliptical galaxies M32 and NGC3379.

HARRIS, Robert. Contribution to the kinetic theory of a moderately dense rigid sphere.

HARVEY, Ronald G. Some reactions of organophosphorus compounds.

KATAKIS, Demetrius. Some reactions of atomic oxygen.

ROWLAND, Richard L. Diffusion in silver palladium alloys and indium antimonide.

SPITZER, Donald P. Intercrystalline energies in the alkali halides.

SZECSI, Peter. Some addition reactions of the 1,1-dimethyldiazonium ion.

TSANG, Tung. Magnetic susceptibilities of neptunium hexafluoride in uranium hexafluoride and of uranium dioxide in thorium dioxide.

YULE, Herbert. Radiochemical studies of the (p,pn) reaction in complex nuclei in the 80-450-Mev range. [Reprinted from *The Physical Review*, June 15, 1960.]

University of Cincinnati

ZUNG, Joseph Tranvan. Theoretical studies of metal-carbon bond energies.

Columbia University

ACKER, Terese Ellen. An approach to the synthesis of colchicine.

BAHARY, William Shaul. Polarographic evidence on the resonance stabilization of some substituted cyclopropenyl cations.

JANKOVICS, Laszlo. Adsorption, flocculation and deflocculation by polymeric flocculants.

KOPELMAN, Raoul. Infrared spectra of dimethyl acetylene crystal: internal rotation and phase transition.

NAIMAN, Michael. Some intramolecular rearrangements at ultra high pressures.

STRAUSS, Herbert Leopold. Studies of paramagnetic resonance spectra of some negative ions in solution.

TESTA, Anthony C. Studies in chronopotentiometry.

University of Delaware

HOLTON, William F. Studies in steriod pyrazolines.

JONES, Frank Robert. The determination of the enthalpy and entropy of dilution of lithium perchlorate with a new microcalorimeter.

SHEETO, JR., Joseph John. Investigations in the field of retropinacolone rearrangements.

Duke University

KURZ, James Eckhardt. A thermodynamic study of the solutions of atactic and isotactic poly(butene-1).

LeBLEU, Ronald Eugene. New heterocyclic analogs of dibenz (a,e) cycloheptatriene.

LIGHT, Robley Jasper. Some acylations and aldol type condensations involving dicarbonyls of beta-diketones. Certain cyclizations.

MASHBURN, JR., Thompson Arthur. Some condensations and related reactions of mono- and bis-acetylferrocenes.

MEYER, Robert Bruce. Some alkylations and conjugate additions involving dianions.

Fordham University

ANTONY, Teresa T. Active center studies on trypsin with an appendix on castor bean lipase.

RIORDAN, James F. Studies on modified trypsin and other proteins.

Georgetown University

DURR, JR., George Joseph. Nucleosides derived from 2, 6-dideoxy-D-ribo-hexopyranose (digitoxose) and 2-deoxy-D-arabino-hexopyranose (2-deoxy-glucose).

Georgia Institute of Technology

CHANDRA, Suresh. Tracer studies in cleavage of allyl-1-C¹⁴-trimethylammonium chloride, allyl chloride-1-C¹⁴, allyl alcohol-1-C¹⁴ and *p*-tolyl allyl-1-C¹⁴ sulfide with metals.

ENGLE, John Edward. Stereochemical aspects of the cycloheptane ring.

JONES, Ronald Goldin. The catalytic hydrogenation of some tall oil constituents.

THWEATT, John Griffin. The preparation and properties of some spiroaminobarbituric acids.

Harvard University

BRINCKMAN, JR., Frederick Edward. Preparation and properties of vinylhaloboranes and vinylgermane and exchange reactions of organohaloboranes.

CAWLEY, John Joseph. Oxidative cleavage of secondary alcohols by chromic acid.

CIECIUCH, Ronald Frank. Catalysis of enolization of desoxybenzoin by halide ions in acetic acid solutions.

CLARK, Thomas John. Studies on the thermal decomposition of diazoketones.

COYLE, JR., Thomas Davidson. The Lewis acidity of some boron compounds and spectroscopic studies of fluorocarbon derivatives.

CURPHEY, Thomas John. Part I: Studies on tetracycline synthesis. Part II: Nuclear magnetic resonance studies.

DISCH, JR., Raymond Lesher. Dielectric polarization and intermolecular potentials.

DIXON, William Brightman. The microwave spectrum of methyl nitrate.

EATON, Philip Eugene. Isomerizations in the dicyclopentadiene series—acceleration of the Diels-Alder reaction by aluminum chloride—studies in the chemistry of perchloro compounds.

FRY, JR., Keelin Tillman. Studies on the mechanism of thiamine action.

HAAKE, Paul Charles. Hydrolysis of some esters of phosphoric acid in water enriched in oxygen-18.

KING, Robert Bruce. New organometallic compounds of the transition elements.

LEROI, George Edgar. Spectroscopic studies in molecular structure.

LYON, Richard Kenneth. Partial temperatures in gaseous detonations.

MANUEL, Thomas Asbury. New derivatives of metal carbonyls.

OLOFSON, Roy Arne. A new method of peptide synthesis.

SARACHMAN, Theodore Nicholas. The microwave spectra of benzotrifluoride and pyridazine.

SCHILDKRAUT, Carl Louis. The reversible denaturation of DNA and its use in the study of nucleic acid homologies.

STAFFORD, Steward Layne. Perfluorovinyl derivatives of boron and tin and perfluoroalkyl iron carbonyls.

STRYER, Lubert. The alpha-helix in synthetic polypeptides and proteins: optical rotatory studies of dye-helical macromolecule complexes.

VERTER, Herbert Sigmund. I. Experiments in peptide synthesis. II. Studies on the structure of substance "Y".

WALL, Robert Eugene. Hydrolysis of cyclic esters of phosphoric acid.

ZUCKERMAN, Jerold Jay. The reaction of ethers with silicon.

University of Hawaii

HEALD, Emerson Francis. A chemical study of Hawaiian magmatic gases.

University of Illinois

KIM, Dong Hoon. Antioxidant activity of 3,5-di-tert.-butyl-4-hydroxybenzyl derivatives.

Illinois Institute of Technology

ADAMS, Otis William. Electronic structure of ground and excited states of aromatic molecules.

LEE, Warren G. Hydrogen isotope and conformational rate effects in elimination reactions.

NOVAR, Herman. Syntheses of trifluoromethyl aromatic amino acids.

SANTER, James Owen. Interannular electronic effects in ferrocene. Acetylation and protonation studies.

THOMAS, Robert James. Polar substituent effects on oxygen exchange in the basic hydrolysis of acetanilides and methyl benzoates.

VAIDHYANATHAN, Vishnampet S. An empirical theoretical approach to liquids and solutions of nonelectrolytes.

University of Kansas

ANSELMO, Vincent Charles. Hot atom chemistry of phosphorus in its oxy-anions.

Kansas State University

DUBE, Shyam Kumar. Sorghum alpha-amylase: isolation and properties.

MORRIS, Gene Franklin. The preparation and reactions of 3,3-dichloro-2-methyl-2-propenol.

SHARMA, Dinesh Chandra. Certain carotenoids of *Zea mays* (yellow corn).

SHELLENBERGER, Thomas Eugene. Absorption of preformed vitamin A and conversion of beta-carotene to vitamin A in ligatured poultry intestinal sections.

SMITH, Ivan Claire. Thermodynamic stabilities of the metal ion complexes of some molecules associated with allergy.

Université Laval

HOUSE, George W. Syntheses of polyesters and polyurethanes. [*Canadian Journal of Chemistry*, 38:1472 (1960)].

PELLETIER, Gérard-E. On the kinetics of the inactivation and adenosine triphosphatase activity of myosin. [*Canadian Journal of Chemistry*, 39, 1961.]

Loyola University

SPITTLER, S.J., Thomas Matthew. 0-18 exchange in $\text{SO}_2\text{-H}_2\text{SO}_4$ and $\text{CO}_2\text{-H}_2\text{SO}_4$.

University of Massachusetts

JUDGE, Jane Therese. Temperature effects on orientation in polyethylene.

POWERS, Joseph. Some optical studies of the influence of texture on the deformation of polypropylene film.

University of Michigan

BAUMANN, Jacob Bruce. Reaction of sodium mercaptides and sodium hydrosulfide with esters.

Michigan State University

KARL, David Joseph. I. The electrophoretic contributions to equivalent conductance using the complete exponential distribution function: 1-1 salts in dioxane-water mixtures. II. Transference numbers and activity coefficients of aqueous solutions of tris-(ethylenediamine) cobalt (III) chloride at twenty-five degrees centigrade.

MEYER, Victor Eugene. A theory for conformations in isotactic polymers: a Markov process.

University of New Mexico

ALDOUS, Duane Leo. The synthesis of potential antitumor compounds.

JOHNSON, Karl William Robert. Phase equilibria in fused salt systems: binary systems of plutonium (III) chloride with the chlorides of magnesium, calcium, strontium and barium.

New York University

ATLAS, Sheldon Maurice. Factors associated with the retention of selected learnings in high school chemistry over a three months period and over a six months period.

HIRSCH, Arthur. The research productivity of the American educated chemist in contemporary America.

NECHAMKIN, Howard. Laboratory experiments for teaching basic topics in general college chemistry.

Northwestern University

MURRAY, Royce W. Characteristics of voltammetric ion exchange membrane electrodes. Diffusion processes in ion exchange membranes.

PILLAI, C. Narayana. I: Thermal alkylation and isomerization of alkybenzenes. Peroxide-induced isomerization of alkybenzenes. II: The study of the dehydration of alcohols over alumina.

University of Notre Dame

BADDING, Victor George. The reduction of acetals and ketals and their sulfur analogs with lithium aluminum hydride-aluminum chloride.

BOISSELLE, Armand P. The preparation and some reactions of α -t-acetylenic ethers.

CHEN, Joseph Cheng-Yih. Excitation of molecular vibration by slow electron impact.

GERACE, Paul Louis. A study of some metal complexes of naphthazarin and β -hydronaphthazarin disulfonate.

HAMLET, Zacharias. Orientation in free radical methylation of aromatics.

KILZER, Sister M. Laetitia. Studies on the stabilities of organoboron halides and oxides: thermal decomposition of boron fluoride ethyl etherate and re-identification of alkoxyfluoroboranes; simple and mixed organoboron halides and oxides.

KROPP, John Leo. Effect of some quenchers on organic scintillator solutions.

SPRINGER, Sister Mary Paulita. Infrared spectra of some metal complexes of amino acid esters and of some substituted ammonium chlorocuprates.

THEARD, Leslie Peter. Radiolysis of liquid methanol and some methanolic solutions.

The Ohio State University

JICHA, Donald Charles. Synthesis and reactions of some transition metal complexes. I. Complexes of 2-mercaptoamines with transition metal ions. II. The reactions of coordinated ligands.

SEDLAK, John Andrew. Nucleophilic substitution in halogenated aromatic and vinylic systems.

STURROCK, Peter Earle. The complexes of copper with polyphosphates.

The University of Oklahoma

DUNLAP, William Joe. Studies of flavonoid compounds from the sweet orange and the grapefruit.

WEI, Tsuan-Hsien. Studies on polyphenols in cottonseed extracts.

University of Pennsylvania

DULING, Irl Noel. Polymerization and Copolymerization of N-vinylpyrinium salts.

University of Pittsburgh

CARLSON, Gerald Leroy. Vibrational spectra and molecular structures of some inorganic compounds: $\text{Re O}_3 \text{ Cl}$, $\text{Re O}_3 \text{ Br}$, Si (NCO)_4 , and Ge(NCO)_4 .

CHU, Shirley Shan-Chi Yu. The crystal and molecular structure of chloranil.

FENG, Pao-Kuo. Metal chelates of 4-hydroxybenzothiazole and its derivatives.

KAMAL, Marwan Rasim. Certain aspects of the chemistry of some pyrazine derivatives.

KAMATH, G. Sanjiv. Studies of long range order and some structural characteristics of cadmium-rich alloys in the Mg-Cd system.

MENDELSON, Morris Aaron. Irreversible autoxidation of metal chelates.

SABA, William George. Heat capacity and related thermodynamic properties of Ta_2H and DyCo_5 .

SANGUIGNI, John Alexander. A study of the arylation of certain active hydrogen compounds.

SAX, Martin. The crystal structure of dihydromalvalic acid, and the theory of the F^3 synthesis.

SPILNERS, Ilgvars Janis. Synthesis of hydrocarbons from thiophene derivatives.

WU, Ching-Yong. Basicities of ethers and phenols.

Princeton University

BOUDREAU, Robert Joseph. Studies in ionic copolymerization.

BURNS, George. A combined flash photolysis and shock wave method for the study of bromine atom recombination over a wide temperature range.

DONALDSON, Malcolm Macfarland. The chemistry of dicyclopentadiene and some of its derivatives.

EHRHART, Wendell Alois. Amidines and pyrimido (4,5-d) pyrimidines.

EISENBERG, Adi. Studies in equilibrium polymerization.

KLEINFELTER, Donald Clifford. Investigations of some aryl norbornyl derivatives and their respective carbonium ions.

LATIMER, JR., George Webster. Topics in solvent extraction.

MARTIN, James Grubbs. Stereochemistry of the Diels-Alder reaction.

NICHOLAS, Robert David. Adamantane: formation and reactions.

PURCELL, William Paul. Dielectric relaxation times and structures of some non-rigid molecules.

RASHKIN, Jay Arthur. Vibrational-translational energy exchange in low energy molecular collisions.

STRUCK, Charles William. The infrared spectrum of the NH_4^+ in eight-fold cubic coordination.

VAUGHAN, Worth Edward. Dielectric relaxation at high frequencies.

Purdue University

ANDERSON, Roy Scott. The synthesis and reactions of the salts of the α , α' -dinitrocyanones.

ASATO, Goro. Part I. Stereochemical and rotatory dispersion studies of some cyclohexane derivatives. II. Stereochemistry of 3, 5 dimethylcyclohexanols.

BANNISTER, William Warren. Mixed thorpe-type condensations.

BERRIGAN, Paul Joseph. Chemical effects arising from selective solvation: selective solvation as a factor in the alkylation of ambident anions.

BRACKEN, Ronald Clay. Studies in molecular structure.

BRONSKY, Albert Joseph. Studies on the mechanism of action of potato phosphorylase.

BURROUS, Merwyn Lee. The reduction of aromatic compounds by lithium in low molecular weight amines.

CLEMENT, Gerald Edwin. The factors influencing the alkylation of ambident anions: naphthoxide ion and phenoxide ion.

FAETH, Paul Alfred. Hysteresis effects and the stoichiometry of praseodymium oxide.

FLYNN, JR., John Joseph. Reactions of nucleophilic agents with acetylenes and halogenated ethylenes.

FULTON, Robert Floyd. The stereochemistry of the addition of organotin hydrides to acetylenes.

GIMINEZ-HUGUET, Mario. Single crystal X-ray studies and chromium (III) and cobalt (III) hexammine halides.

GOLDMAN, Gordon Kenneth. Directive effects in the mercuriation of aromatics.

GROTE, Barney. Application of dipole moment, N. M. R. and infrared data to configurational studies on p-tolylmercapto and p-tolylsulfonylalkenes.

GUY, Mary Myrberg. Rearrangement of substituted-phenyl mesityl sulfones.

GUYON, John Carl. Selected heteropoly compounds of titanium and niobium.

KIM, You Sun. A study of certain fluorinated α , β -unsaturated acids and esters.

KLEIN, Harvey Gerald. Addition of mesityl-enethiol to mesitylacetylene.

KLENDER, Gerald James. The preparation and properties of partially alkylated diboranes.

MOORE, Peter Warren. Studies in molecular spectroscopy: the application of the theory for the vibrations of larger molecules to the methyl derivatives of tin tetrachloride.

MORGENTHAUER, Lawrence Philip. A study of nucleophilic substitution reactions of tris-(1,10-phenanthroline) nickel (II) and tris-(1,10-phenanthroline) iron (II) cations.

MURRAY, Kenneth James. Studies in hydroboration.

ROTH, Edwin Allen. The intermediates and kinetics in the gallium chloride methylation reaction.

SANTOS-OCAMPO, Augusto Galvez. Measurement of L/K-capture ratio in electron capturing nuclides.

SCHOLZ, Robert George. Solid support effects in gas chromatography.

SELTZER, Raymond. Factors influencing the alkylation of ambident anions: I. Steric hindrance, II. Solvation effects, III. Electrical effects.

STADTMILLER, William Hugh. The alkylation of formanilide.

WITTMAN, Joseph William. Oxidation of carboxylic acids to esters.

Radcliffe College

ADLER, Alice Joan. A kinetic study of pig liver esterase.

Rensselaer Polytechnic Institute

SHUSTER, Duane O. Flow properties of modified lithium stearate-oil dispersions.

University of Rhode Island

BLECHARCZYK, Stephen S. Investigation of the efficiency of gas-liquid chromatographic microbead columns.

DIPIPO, Ascanio Giuseppe. The thermal stability of dextro- and levo-methyl 2-benzyl-2-methyl-3-pentenoate.

MARRIOTT, Jean A. The effect of crystallization on the thermal stability of poly(dimethyl-4-vinylphthalate) and poly(4-vinylphthalic acid).

Rutgers University

AHEARN, George P. They Baeyer-Villiger oxidation of bicyclic ketones.

ANDER, Paul. Part I. A simple interpretation of donnan equilibrium obtained with long-chain polyphosphates. Part II. Molecular size and interactions of lithium polyphosphate in aqueous solutions of lithium bromide.

BLUESTONE, Sydney. An electrical transport study of polyphosphates.

BOXER, Robert Jacob. A study of the kinetics of the reactions of the chloropyridines and the chloropyridine-n-oxides with sodium methoxide in methanol.

CHEUNG, Herbert Chiu-ching. The binding of dyes and polysaccharides in aqueous solutions.

DI LEONE, Roland. A study of the reactions of tertiary aliphatic hypochlorites with tri-substituted phosphines and phosphites.

FRANZBLAU, Robert S. Some reactions of N-bromosuccinimide.

FRASER, Donald Boyd. Donnan membrane equilibrium studies of a polyelectrolyte and a polysoap derived from poly-4-vinylpyridine.

FREEMAN, Eli Saul. Non-isothermal reaction kinetics. The dehydration of calcium oxalate monohydrate and thermal decomposition of calcium carbonate in the solid state.

GOUDIE, Alexander J. Separation and determination of the fruit acids.

JAKOB, Fredi. A study of the separation of phosphorus acids.

KRESCH, Alan Jacob. A kinetic study of the hydrolysis of certain polyphosphates.

MELONI, Edward George. The preparation and properties of dimethylaminobutaneboronic acid; the attempted preparation of aminobutaneboronic acid and diisopropylaminobutaneboronic acid.

ROSS, Lawrence James. Part I. Studies of the decomposition of tetrasubstituted phosphonium alkoxides. Part II. Copper ion-catalyzed reactions of t-butyl perbenzoate with alkylbenzenes.

ROSS, Stephen Torey. Studies of some new reactions of organophosphorus compounds.

TURSE, Richard Sanford. Sorption of phenol by low-capacity ion-exchange resins: an analytical and kinetic study of a chelating resin.

Syracuse University

CICCARELLI, Roger N. The rearrangement of tertiary acyclic carbonium ions.

ERBY, William Arthur. The degradation of lignin in wood.

GEACINTOV, Nicholas E. The photopolymerization and grafting of vinyl monomers sensitized by anthraquinoid dye intermediates.

GUISELEY, Kenneth Balm. The preparation and properties of glucose-6-sulfate.

NEFF, Vernon Duane. The infrared spectrum of rhombic sulfur in the rock salt region: a study of the effect of temperature on the intensity and structure of overtone and combination bands.

PENNINGS, Albert J. The swelling pressures of cellulosic networks.

SLICK, Paul Irving. The basicity of ethers and alcohols. Infrared and thermal investigations of unusual complexes of ether and boron trifluoride.

STRAUSS, Roger William. The dealkylation of aromatic ethers and lignin by aqueous chlorine systems.

YASUDA, Hirotsugu K. The solution and flow of water vapor in hydrophobic polymers.

The University of Tennessee

HOLMBERG, Robert William. A paramagnetic resonance study of hyperfine interactions in single crystals containing α -diphenyl- β -picrylhydrazyl.

LEE, Raymond Curtis. Operational characteristics of a fission gas detector.

Agricultural and Mechanical College of Texas

RAPOPORT, Morris. Quantitative relations between structure and physical properties of 4-substituted, 2-nitrophenols.

SCOGGINS, Lacey Eugene. A quantitative study of the relationship between structure and basic frequency shifts of the 2,4-dinitrophenylhydrazones of substituted acetophenones.

University of Utah

CARLSON, Charles M. Theory of fused salts and molten metals.

CHANG, Seihun. Part I. Rheological properties of molecules in dacron fiber; Part II. Rheological properties of molecules in nylon 66 fiber; Part III. Statistical thermodynamical theory of surface tension.

FURSE, Clare Taylor. Square-wave polarographic studies: Part I. Amperometric titrations; Part II. Platinum microelectrode.

QUISENBERRY, Richard Keith. Electron exchange polymers from disubstituted hydroquinones and formaldehyde.

SCHEUPLEIN, Robert John. Etching of dislocations in corundum.

SHIN, Hyung Kyu. Part I. Studies in non-steady state chemical reaction kinetics; Part II. Chromatography and flow characteristics.

TERADA, Kazuji. The crystal structures of some palladium amalgams and of the mineral potarite.

University of Virginia

BASS, Robert Gerald. Steric factors affecting the conjugation, oxidative rearrangement and vinylogous pinacol rearrangement of phenylated unsaturated 1, 4-diketones and their derivatives.

BELL, JR., Charles Edward. The effect of structure on reactivity in Schiff base formation.

O'BRIEN, Daniel Harold. Kinetics of Schiff base formation in dioxane.

Washington University

GALIANO, Francis Ross. Alkylation of sodium naphthalenide.

GARRETT, Alfred Gardner. Reactions of boron chlorides with compounds of group VA.

PHILLIPS, Bruce Edwin. Isomeric benzyldene nucleosides.

University of Washington

AUGUSTIN, Elmer Allen. The effect of solvent on the decomposition of α -phenethyl chlorocarbonates.

BARNES, Edwin Ellsworth. The electronic spectra and structures of the carboxyl group and related systems.

BERLIN, Alexandre. A thermogravimetric study of 5-substituted barbituric acids and salts. Thermogravimetric analysis. Temperature limits and rate of heating.

BORGARDT, Frank Gottfried. Studies on the synthesis of naphtho-(1', 9', 8', bc)thiapyran, acenaphthene-(5', 5a', 6', bc)thiapyran and acenaphthylene-(5', 5a', 6', bc)thiapyran.

BROWN, Bruce Willard. The crystal structures of the bis-ethylenediamine complexes of nickel (II) and copper (II) thiocyanate.

BROWNAWELL, Darrell William. A mechanistic study of acetal hydrolysis.

HARRISON, William Frank. Synthesis and properties of certain π -excessive heterologs of azulene.

MCDONOUGH, Leslie Marvin. Carbonium ion stability and the hydride ion transfer reaction.

OETTING, Franklin L. The heat capacities of iron (II) chloride and iron (II) iodide.

REPLOGLE, Lanny Lee. Part I: The electrophilic substitution of 1,3-disubstituted azulenes. Part II: Some studies on tropenylazulenes. Part III: The azulene-benzoyl peroxide reaction.

SCHUBERT, Siegfried W. The structure and origin of two low molecular weight lignin sulfonates.

SHREEVE, Jean'ne Marie. Some reactions of peroxydisulfuryl difluoride.

SMITH, JR., James Graham. The rate of oxidation and changes in the surface activity of platinum electrodes.

STOUT, Virginia Falk. Part I: The structure and synthesis of xanthomicrol. Part II: The poisonous constituent of pokeroor.

TRACY, Joseph Walter. Structural studies of the chromium (II) halides.

WILSON, Hubert William. The infrared spectra and vibrational assignments of ethane-1,1-d₂, and ethane-1,1,1-d₃.

WILSON, Richard Enos. Angular distributions of some selected fission fragments.

ZAHNOW, Edward Wayne. A polarographic study of some complexes of molybdenum.

Washington State University

BAYER, Raymond Philip. Polar substituent and proximity effects in the sodium borohydride reduction of fluorenones.

PAPA, Anthony Joseph. Synthesis of 1-aminomethyl-2-mercaptomethylnaphthalene. Structure studies on an intermediate imino-naphthodihydrothiophene.

POPOVICH, Peter. The preparation of some hydroxymethylbenzaldehydes.

West Virginia University

PACOFISKY, Edward Anthony. Intramolecular condensations of substituted nitrobiphenyls; and a comparison of reactivities of 6-substituted phenanthridines and the corresponding N-oxides.

ROE, Donald Winston. Microwave spectra of fluoroacetonitrile and chromyl fluoride.

The University of Wisconsin

COSTA, Albert Bernard. Michel Eugene Chevreul and the chemistry of fatty oils.

DRENNAN, Ollin J. Electrolytic solution theory foundations of modern thermodynamical considerations.

WOODS, Sister Mary John Mark. Studies of complex ion equilibria. (I) Iron. (II) Thallium. (III) Chloride system.

Yale University

BASINSKI, John Edward. I. The stability of cyclopentadienyl carbene. II. Tetracyanocyclobutane and its derivatives.

DRAUGLIS, Edmund. The effect of wall charge on the capillary rise of electrolytes.

ETTINGER, Raymond. Carbon-13 nuclear magnetic resonance spectroscopy of carbon dioxide in solution.

EVANEGA, George Ronald. The photochemistry of 1, 2, 3, 4, 5-pentaphenylcyclohexa-1, 3-diene.

FLEISCHER, Everly Borah. Porphyrin studies.

GASPAR, Peter Paul. The tropylium anion and the hydrogen exchange of tropilidene.

HENCHMAN, Michael John. The stereochemistry of the displacement of hydrogen by hot hydrogen atoms.

HO, Chien. A kinetic study of carbonic anhydrase.

HOLT, Eugene Lawrence. I. Diffusion of weak electrolytes in aqueous solutions. II. Diffusion of hydrochloric acid in aqueous solutions.

KALLENBACH, Neville Robert. The microviscosity of electrolyte solutions.

KUN, Kenneth Allan. New polymeric electron exchangers methylated polyvinylhydroquinones.

LASSILA, Jean Day. Reactions of methylene with selected hydrocarbons.

MCKEON, James Edward. The structures of metabolic products of *Serratia marcescens*, prodigiosin, prodigiosin precursor, serratamolide.

PANDOW, Mary Lou. The reactions of atomic carbon in inorganic systems.

RAPHAELIAN, Leo Aram. The synthesis of naturally occurring sterols.

SPINNLER, Joseph Frank. The Wien effect of uranyl salt solutions.

TUAN, Debbie Fu-tai. Viscosity-density correlations in electrolytic solutions.

WOFSY, Leon. Effects of the amidination reaction on antibody activity and on the physical properties of some proteins.

ZWOLENIK, James Joseph. Electrolytic conductance in solvents of low dielectric constant: calibration of conductance cells with small cell constants and an exploration of some systems exhibiting ionic association beyond pairwise.

ANALYTICAL

University of Alabama

TING, Shih-Fan. Spectrophotometric determination of rhenium with 4-methyl-1, 2-cyclohexanedionedioxime (4-methylnioxime).

Polytechnic Institute of Brooklyn

MOROS, Stephen A. Polarographic and controlled-potential coulometric investigation of manganese in sodium cyanide solution.

SAIFER, Abraham. Measurement of Donnan ratio by radio-active tracers and its application to protein-ion binding.

University of California, Los Angeles

FLETCHER, Aaron N. Hydrolysis of titanium (III).

NEIMAN, Robert Richard. Electron spin resonance studies of copper complexes.

STARLING, JR., Kessler Alley. Nuclear magnetic resonance studies of fluorochemicals and their solutions.

California Institute of Technology

MATHER, JR., William Brewster. Coulometric-acidimetric titrations and related studies in acetic acid-acetic anhydride solutions.

Case Institute of Technology

BLOCK, Jacob. Coprecipitation with uranous oxalate.

Cornell University

FRINK, Charles Richard. Reactions of the aluminum ion in aqueous solutions and clay suspensions.

KIEFER, John Harold. An analysis of the spectra of S-tetrazine.

MACIOLEK, John Arthur. Quantitative dichromate oxidation—a basic analytical technique for organic limnology.

SCARPELLINO, Richard John. The application of gas chromatographic techniques to the study of volatile components in cheddar cheese.

WEST, Allen Crawford. Variables in flame spectrophotometry, their control and elimination.

The University of Florida

YOAKUM, Anna Margaret. Emission spectrochemical determination of residual trace elements in sponge copper powders.

Fordham University

TOMPA, Albert S. Trends in the stabilities of some rare earth chelates.

University of Illinois

CHENG, Hwei-Hsien. Chemical distribution of added nitrogen in soils.

CHIU, Jen. Part I. Kinetic and thermodynamic studies of the hydrolysis and alcoholysis of acetals by gas chromatography. Part II. Determination of carbon in organic substances by and oxygen-flask method.

GOLDSTEIN, Melvin Myron. The quantitative instrumental evaluation of the effects of physical textures of lead oxides and storage battery plates.

LYNCH, Charles Theodore. I. The cadmium N-methyl glucamine system. II. Specific adsorbents in gas chromatography.

MEYERS, Bernard Lee. The x-ray structural analysis of barium thiosulfate monohydrate.

PARDUE, Harry Lyle. I. Micro range iodometry by precision null-point potentiometry. II. Quantitative analysis by an automatic potentiometric reaction rate method.

RECHNITZ, Garry Arthur. A study of the molybdenum catalyzed reduction of perchlorate.

TOREN, JR., Eric Clifford. A new potentiometric reaction rate method for the micro determination of carbonyl compounds.

Indiana University

BEDI, Ram Dev. Apparatus for automatic controlled-potential electrolysis using an electronic coulometer and its applications.

SIEFKER, Joseph Roy. Electrochemical studies of salts in anhydrous ethylenediamine.

State University of Iowa

HOLM, Roger Dennis. Electric moments of certain analeptic compounds.

MARSHALL, John Clifford. Acid-base equilibria in anhydrous formic acid.

Iowa State University of Science and Technology

BLAIR, David Elmer. Sulfonated derivatives of 1,10-phenanthroline.

LAPLANTE, Joseph Paul. Complexes of nickel with 4-carboxy-1,2-cyclohexanedionedioxime in alkaline media.

PIETRZYK, Donald John. Anion exchange separations of metal ions in partially non-aqueous solutions.

SMITH, Robert Carl. Infrared spectra of substituted 1,10-phenanthrolines.

TRUSELL, Fred Charles. Efficiency of chemical desiccants.

WHARTON, Harry Whitney. Copper (II) derivatives of S-(1,2-trans-dichlorovinyl)-L-cysteine and related compounds.

Lehigh University

ROHWEDDER, William Kenneth. A spark source mass spectrometer intended for major component analysis.

SURASH, John Joseph. Studies on photo-induced luminescence and electrode potentials.

Louisiana State University

LORICA, Apolinar S. Studies on the extractability of anions.

Massachusetts Institute of Technology

DIEFENDERFER, Alfred James. Polarography of benzyl halides and related compounds.

DUFFIELD, Betty Jane. Liquid and gas phase thermometric titrations.

DUFFIELD, Jack Jay. Separation factors in gas chromatography.

GRISWOLD, Robert Edward. Fluorescence and phosphorescence properties of mono- and dihydroxynaphthalenes.

MARPLE, Leland Warren. Existence of lower oxidation states of indium in aqueous solution.

OLVER, John Walter. Voltammetric studies.

SPIRO, Thomas George. Mixed ligand complexes.

University of Michigan

BROWNLEE, JR., James Lawton. Neutron activation analysis by means of short-lived isotopes.

GRODZKA, Philomena Gloria. Mechanisms of electrochemical reduction of conjugated double bond systems.

HITCHCOCK, Eldon Titus. A study of Lewis acid-base reactions.

Michigan State University

BOWMAN, Leo Henry. A study of the decomposition of ammonium hexanitratocerate (IV) in glacial acetic acid.

FLECK, Lawrence LeRoy. A spectrofluorometric study of morin and 5,7-dichloro-8-quinolinol complexes of lanthanum (III).

University of Minnesota

CHANTOONI, JR., Miran Kevork. Acid-base equilibria in acetonitrile.

ROUSE, Thomas Owen. An evaluation of chronopotentiometry and an investigation of several new types of constant current linear diffusion problems.

The University of Nebraska

RUSSELL, Harold David. A study of the polarography and visible spectra of a series of copper chelates of 1,3-diketones.

New York University

HOCHBERG, David Louis. Phase equilibria in the system barium chromate-chromium trioxide-water.

ROSENTHAL, Jack. The S band spectrum of nitrogen dioxide.

Northwestern University

WARD, George Anthony. Characteristics of voltametric ion exchange membrane electrodes. Diffusion and partition phenomena in an ion exchange membrane of the sulfonic acid type.

The Ohio State University

STOLPNER, Rolf Eberhard. Qualitative and quantitative aspects of the oxidation of 2,4'-dinitrophenylhydrazine in the presence of pyridine.

Oregon State University

LAURSEN, Paul Herbert. The synthesis of 2,4,7-trichloroimidazo (4,5-d)-pyridazine and several of its derivatives.

The Pennsylvania State University

BILLINGHAM, JR., Edward John. Thermochemical precipitation titrimetry and precipitation thermodynamics in aqueous solutions and molten salts.

Princeton University

GUILBAULT, George Gerald. Catalysts for cerium (IV) oxidimetry.

Purdue University

OSMAN, Stanley Franklin. I. Rotatory dispersion studies of some substituted α -phenylethyl amides. II. Lithium aluminum hydride-aluminum chloride reductions.

Rensselaer Polytechnic Institute

KELLEY, William C. Investigation of the chemical nature of compounds produced by a *Streptomyces noursei* variant.

The University of Texas

ANNAND, Robert Rodney. Separate and simultaneous spectrophotometric determinations of cobalt and nickel using quinoxaline-2,3-dithiol.

Wayne State University

LEVIN, Samuel Joseph. The separation and spectrophotometric analysis of some of the conjugated bile acids in bile.

The University of Wisconsin

SPARR, JR., M. C. I: Quantitative chemical analysis of lake water using ion exchange resins. II: Investigation of the bog lakes using the growth of *Chlorella pyrenoidosa* as an index.

TODD, Jerry William. Continuous deaeration and polarographic analysis of column effluents.

BIOLOGICAL

University of Arizona

WAHAB, JR., Abdul Nadhim Shawki. The role of light in the synthesis of piperides in fruits.

University of Arkansas

SPELL, JR., William Hux. Vitamin B₁₂ and deoxyribose biosynthesis in *Lactobacillus leichmannii*.

Baylor University

ANDERSEN, Richard Nicolaj. Studies on the isolation of hypophyseal and hypothalamic peptides.

MCGREGOR, Robert Finley. Development of methods of analysis for diethylstilbestrol and application to biochemical studies on stilbestrol treated hamsters.

YOUNG, Joel Edward. A study of the occurrence of certain hydrolytic enzymes in leukemia.

Boston University

MARTIN, Horace Feleciano. The separation of the estrogens by gas chromatography.

The University of Buffalo

KIRDANI, Rashad Youssef (El). Chemical and biochemical studies on 6-keto and 6-hydroxy estrone and estradiol.

University of California, Berkeley

EMERY, Thomas Fred. The structure of ferrichrome.

GRADO, Carmen. Some structural studies on beef brain polyphosphoinositide.

HALL, John Bradley. Studies on the metabolism of 5-ribosyluracil phosphate.

HANLON, Mary Sue. The isolation and characterization of calf thymus nucleohistone and deoxyribonucleic acid.

HIMES, Richard Howard. Tetrahydrofolic acid formylase.

HOWARD, Frank Birdwell. Imidazo (2,1-b) purine and imidazo (1,2-a) pyrimidine derivatives: products of the reaction of 2-amino purines and 2-aminopyrimidines with furfuryl alcohol.

KUEHL, LeRoy Robert. Studies on deoxyribonucleic acid and some basic proteins in chicken erythrocyte nuclei.

LUSE, Robert Arthur. The mechanism of the inactivation of enzymes by ultraviolet light

ROBERTS, Walden Kay. New phosphorylated derivatives of cytidine, cyclocytidine, and cytosine arabinoside.

SEARLS, Robert Louarn. The mechanism of enzymatic oxidative decarboxylation of α -keto acids.

SHIELDS, James Edwin. Synthesis of peptides derived from insulin.

SU, Jong-Ching. Nucleotides and saccharides from *Porphyra perforata*.

TOMLINSON, Raymond Valentine. A study of some synthetic and natural myo-inositol polyphosphate esters.

TOOHEY, John Ignatius. Production, isolation, and characterization of cobamide co-enzyme analogs.

WILSON, Allan Charles. Control of flavin synthesis by bacteria.

WOOLLEY, Dorothy Elizabeth. Effects of sex hormones on electroshock convulsions and brain chemistry in the rat.

University of California, Davis

BRIGHT, Harold John. The mechanism of the beta-methylaspartase reaction.

KLEIN, Norman William. The metabolism of carbon-14-labeled nutrients by the chick embryo.

YOKOYAMA, Henry. Studies on the biosynthesis of carotenoids.

University of California, Los Angeles

FAY, Rimmon Carlton. Oxidation and phosphorylation in *Hydrogenomonas facilis*.

FULCO, Armand John. The biosynthesis of polyunsaturated fatty acids.

LAZZARINI, Robert A. The reduction of nitride by enzymes of *Escherichia coli*.

California Institute of Technology

HARDESTY, Boyd Archer. The biochemistry of Cytochrome *c* in relation to maternally inherited phenotypes of *Neurospora*.

McCALLA, Dennis Robert. I. Chemical study of necrotic corn mutants. II. The metabolism of a Kinin. III. The chemical nature of an insect gall growth factor.

ROLLER, Ann. Studies on the replication and transfer to progeny of the DNA of the bacteriophage T4.

University of Chicago

GUPTA, Gopi N. The fate of tritium-labeled estradiol-17 β in rat tissues.

KAWAHARA, Frank S. The crystallization and properties of Δ^5 -3-ketosteroid isomerase.

LIAO, Shutsung. Enzymatic oxidation of reduced ribosyl nicotinamide.

LUDOWIEG, Julio J. Mechanism of the enzymic depolymerization of hyaluronic acid.

NAYDER, Frank A. The multiple-mixer method of gradient elution of nucleotides from anion-exchange columns.

PRAIRIE, Richard Lane. The enzymatic formation of steroid lactones.

University of Colorado

HARVEY, Muerner Strasmere. The effect of bull snake tissues on rattlesnake venom.

Colorado State University

HOPWOOD, Mortimer Lloyd. The metabolism of diethylstilbestrol in the domestic fowl.

STEWART, Bobby Alton. Immobilization and mineralization of nitrogen in organic fractions of soil.

Columbia University

BRAY, Richard Connell. The biosynthesis of the corrin moiety of vitamin B₁₂ from methionine and δ -aminolevulinic acid.

FREEMAN, Benjamin. The influence of alpha methyl glucoside on invertase action.

GARRIGAN, Owen Walter. Comparative biochemistry of mucolipids.

INTENGAN, Carmen Llamas. Studies on coconut oil. I. Relation to growth and serum cholesterol levels of rats. II. Relation to bile acid excretion in man.

ROSENBERG, Eugene. Studies on the biochemistry of polysugarphosphates.

Cornell University

ANDERSON, Louise Eleanor. The biosynthesis of caffeine.

BERGER, Robert Stephen. The enzymatic dehydrohalogenation of DDT and several other diarylhaloethanes by house flies.

CAMERINO, Pat William. The biosynthesis of cholesterol in the developing chick embryo.

GUDNASON, Geir Valberg. Studies on the distribution of xanthine oxidase between the fat and skim milk phases of milk and the effect of aging on heat stability of the enzyme.

HAMILTON, Mary Jane Gill. Some physical chemical properties of microsomal ribonucleoprotein from rat liver.

MOORE, JR., Wellington. Absorption and fetal metabolism of cesium 137 in the rat.

ROSCOE, Henry George. Biochemical studies of cellular proliferation. The possible role of aldolase and deoxyribose phosphate aldolase.

SCHEINER, Donald M. The enzymatic decolorization of anthocyanin pigments.

THEOPHILUS, Florence. The effect of caloric intake on the biochemical lesions associated with protein malnutrition in rats.

University of Delaware

HUGHES, Donald Howard. A naturally occurring substrate of mushroom polyphenol oxidase.

KATZ, Manfred. The characterization of human tracheobronchial secretions—cystic fibrosis and nonpathological.

KREISHER, John H. The purification of a fungal poly-galacturonase.

WOLEN, Robert Lawrence. A study of the oxidation of 1, 3-thiazane-4-carboxylic acid by d-amino acid oxidase.

Duke University

MILLAR, III, David B. S. Isolation and physical characterization of homogeneous lactic dehydrogenase.

SMITH, Eugene Joseph. Studies on the nucleotide spectra of microorganisms.

WILLIAMS, JR., Charles Haddon. Microsomal triphosphopyridine nucleotide-cytochrome *c* reductase of liver.

Emory University

FAIN, John N. Anterior pituitary and lipogenesis.

The University of Florida

BLACK, JR., Clanton Candler. Some effects of 2,4-dichlorophenoxyacetic acid on the carbohydrate metabolism of etiolated corn seedlings.

FRANKEL, Fred Robert. Comparative chemical and biological studies on the fractionation of deoxyribonucleic acids.

The Florida State University

CESKA, Miroslav. Modification of arginase activity by high molecular weight substances.

KARKHANIS, Yashwant Dattatraya. The inhibition of mushroom tyrosinase by its apoenzyme, a protein inhibitor, and certain reagents.

NEWSOME, Ratana Suddharatt. The effect of dietary protein on carotene utilization.

VEGOTSKY, Allen. Thermal copolymers of amino acids.

Georgetown University

TAYLOR, Duane Francis. An investigation of the constitution of the mercury-tin system and portions of the mercury-silver-tin system.

Harvard University

BECKWITH, Jonathan Roger. The synthesis of caldariomycin and studies on its biosynthesis.

EVANS, Warren Hubbard. The regulation of metabolic pathways associated with phagocytosis.

JUNGAS, Robert Leando. Studies on adipose tissue.

KURLAND, Charles Gabriel. Ribonucleic acid from *Escherichia coli*.

SCHLESSINGER, David. Ribosomes from *Escherichia coli*.

SPENCER, Richard Paul. The indolylpyruvic acid keto-enol tautomerases.

University of Illinois

BAKER, William King. Quantitative studies on insulin action.

BODE, Vernon Cecil. The bioluminescent reaction in *Gonyaulax polyedra*: a system for studying the biochemical aspects of diurnal rhythms.

BOYER, Alvin Clifford. Studies of rat liver malic dehydrogenase.

BURTON, Alice Jean. The chemistry of the lipopolysaccharides of *Escherichia coli*.

CHERRY, Joe Howard. Biochemical and physiological aspects of growth in x-irradiated corn seed.

DETWILER, Thomas Crump. Senescent changes in the metabolism and composition of nucleic acids in liver and muscle of the rat.

GURNANI, Shantoo. Investigations of the metabolic role of vitamin B₁₂.

HOLT, James Allen. Isolation and characterization of muscle enolase.

KNIGHT, JR., Ernest. Succinic thiokinase: purification and exchange reactions.

MARSHALL, JR., William Emmett. A study of the carbohydrates of the glycoprotein associated with human serum beta-lipoprotein.

PAISLEY, Nancy Celia Eleanor Sandelin. Purification and characterization of two dehydrogenases acting on 5-ketocamphor.

SMITH, Elizabeth Bernice. Studies on amino acid requirements of adult white rats.

TIPTON, Carl Lee. *Complex lipids*. The sphingolipids of beef lung. The occurrence of galactosylglycerol lipids in plants.

WRIGHT, George Joseph. Studies of the metabolism of vitamin A-9, 10-C¹⁴ acetate and the effect of vitamin A deficiency on cholesterol biosynthesis.

University of Illinois, Chicago Professional Colleges

BEZKOROVAINY, Anatoly. Isolation and characterization of some alpha glycoproteins from human plasma.

HANSEN, Robert William. Glyoxylic acid oxidation in glycollate-adapted *Escherichia coli*.

INOUE, Tohru. Carbohydrate moiety of orosomucoid.

KATHAN, Ralph Herman. Purification and properties of a glycoprotein inhibitor of viral hemagglutination derived from human erythrocytes.

ZELEZNICK, Lowel David. Alkylation of the purine nucleus and biological properties of alkylphosphonic acids.

Illinois Institute of Technology

KING, Maurice E. Biochemical effects of ozone.

Indiana University

BAKER, Robert Henry. Kinetic studies on liver alcohol dehydrogenase.

BURNETT, James Paul. The mode of incorporation of a synthetic dipeptide into chicken hemoglobin.

Institute of Paper Chemistry, affiliated with Lawrence College

SCHNEIDER, Robert Leslie. The enzymatic dimerization of substituted phenols.

Institutum Divi Thomae Foundation

FREIJANES, Maria Paz. Investigation of the relationship between certain physical and chemical properties of beef brain extract fractions and effects on *Micrococcus pyogenes* var. *Aureus*.

PEREZ, Nelly Teresa. Preparation and chemical studies of tissue extracts. I. Antistaphylococcal extracts from beef spleen. II. Tumor extracts which induce resistance to tumor development.

State University of Iowa

MUEHLBAECHER, Clara Anna. The tissue distribution and metabolism of polyxenylphosphate in tumor-bearing mice.

Iowa State University of Science and Technology

CARR, Daniel Oscar. Mechanism of riboflavin-catalyzed oxidations.

COX, Evelyn May. Influence of magnesium deficiency on selected aspects of protein metabolism.

DAVIS, Leodis. I. Metal-pyridoxal-amino acid chelates. II. Studies on the purification and kinetics of threonine dehydrase.

DUGAN, Richard Earl. *In vitro* conversion of carotene to vitamin A.

HAMILTON, Eugene Ward. Metabolism of aldrin and dieldrin by the American cockroach, *Periplaneta americana* (L.).

HILL, Franklin Delano. *In vitro* lipolysis of triglycerides by bovine rumen microorganisms.

MORAGHAN, John Thomas. Nitrate reduction in soils.

PFUDERER, Albert Peter. Structural studies on the β -lactoglobulins.

The Johns Hopkins University

ICAYAN, Elena Eustaquio. The relationship between vitamin B₁₂ and cholesterol metabolism.

MIZE, Charles Edward. A study in characterization and mechanism of action of hepatic glutathione reductase.

University of Kansas

LONGMORE, William Joseph. Studies on the site of the antilipotropic activity of 2-amino-2-methylpropanol in rats.

MEALEY, Edward Hanly. Physical changes of fibrinogen free low globulin human plasma protein solutions following exposure to different temperatures for various lengths of time.

SCHOLES, Vernon Eugene. A study of the metabolism of phosphorus in normal and malignant epidermis in C57B1/6 mice.

Loma Linda University

WILCOX, Alan Aloys. The effects of stress on cholesterol and lipid metabolism.

Louisiana State University

DI MAGGIO, III, Anthony. Hormonal regulation of growth in a lizard, *Anolis carolinensis*.

University of Louisville

DOLBEARE, Frank A. Heme and sulfhydryl relationships in hemoglobin.

GOUCHER, Charles R. Ferric adenosine triphosphate.

Loyola University

BALTRUS, Birute Micuta. Effects of diethylstilbesterol on pituitary enzymology.

BANASZAK, Leonard Jerome. The proteolysis of human serum beta lipoproteins.

GUSCHLBAUER, Wilhelm Theodor. Nucleic acids in wound healing.

PAIRENT, Frederick William. The denaturation of pepsin.

University of Maryland

BACHUR, Nicholas Robert. The effect of endogenous substances on the Krebs cycle.

BRIERLEY, Gerald Phillip. Some studies on the occurrence and biological properties of tartronic and phosphotartronic acids.

PRESTON, JR., William Henry. Comparative effectiveness of several organic compounds in dwarfing of plants.

University of Massachusetts

TAKETOMI, Tamotsu. Phospholipids in *Tetrahymena pyriformis* W.

McGill University

BATA, Judith Eve. Studies on the *in vitro* action of ACTH on corticosteroidogenesis.

BLAIR, Albert James. Some studies on the metabolism of the 17-hydroxycorticosteroids in the human.

BOYLEN, Joyce Beatrice. Biochemical studies of phenylketonuria.

COLES, Norman William. Glutamine metabolism in Ehrlich ascites carcinoma cells.

ELLIS, Daniel Benson. Energetics of tumour metabolism.

GONDA, Otto. Effects of central depressants and metabolic inhibitors on cerebral glucose-amino acid interrelations.

GOODFRIEND, Lawrence. Antigenicity of estrone-protein conjugates.

GYENES, Ladislav. Isolation and characterization of precipitating and non-precipitating antibodies.

ISLAM, Muhammad Firozul. Biochemical aspects of phagocytosis.

KONO, Masakiyo. Mechanism of inhibition of glycogen biosynthesis *in vitro* by glucose analogues.

McARDLE, Alice Hope. The biosynthesis of nucleoproteins in regenerating rat liver.

PARANCHYCH, William. Studies on the mechanism of absorption of vitamin B₁₂ by normal and neoplastic tissues.

WARD, Pamela Joyce. Identification of steroids by the rat adrenal.

University of Michigan

JOHNSTON, Clare Cornelius. Tryptophan metabolism in the kidney.

KOSICKI, George Watha. Studies on the citrate condensing enzyme.

SOMERVILLE, Ronald Lamont. Nucleotide metabolism in *Escherichia coli* infected with bacteriophage T2.

Michigan State University

BARR, Charles Richard. The synthesis and biological activity of some allyl acetic and ethyl acetate ethers of fluorene and fluorenone.

CORRELL, David Lee. A study of the ribonucleic acid-polyphosphate complexes isolated from *Anabaena variabilis* and synchronized *Chlorella pyrenoidosa*.

GRIFFITH, Gail Denise Brown. The biological oxidation of nicotine. I. Nicotine degradation by *Nicotiana rustica*. II. Nicotine degradation by an *Arthrobacter* species.

MEAD, Charles G. Isolation and characterization of the deoxyribonucleic acids of *Drosophila melanogaster*.

SUTTON, David Dennis. The concentration of ACTH and growth hormone in bovine plasma.

WADDILL, Dallas. Hematology of the fetal and newborn pig. I. Cellular populations and serum protein concentrations.

WILKEN, David Richard. A nucleotide-peptide isolated from bovine liver.

University of Minnesota

DERR, Robert Frederick. The synthesis and metabolism of S³⁵-(1,2-dichlorovinyl)-L-cysteine.

HAYES, Dora Kruse. Body fluid and skeletal tissue interrelations in the American lobster.

IVES, David Homer. A kinetic evaluation, employing radiophosphorus of the synthesis and metabolic stability of DNA in regenerating rat liver.

PAREKH, Amritlal Chhaganlal. Quantitative cytochemical studies of the mast cell.

POTTER, Clarence Scott. Studies on the biochemical mechanisms of active transport.

REYNARD, Alan Mark. The mechanism of enzymatic phosphate transfer reactions.

RICHARDSON, Lionel Alexander. An investigation of the sorption of water by milk proteins.

WILLIGAN, Donald Alexander. Studies on the distribution and excretion of cobalt 60-vitamin B₁₂ in the dog and rat.

WORTHEN, Howard George. Disorders of the proximal tubule.

ZEALEY, Marion Edward. The reactivity of sulfhydryl groups in proteins as evidenced by the binding of certain reagents.

University of Missouri

BLOOMFIELD, Richard Allen. Ruminant nitrogen metabolism, *in vitro* and *in vivo*.

Montana State College

JOHNSTON, Willis Burnard. On the modification of their environment by plant roots.

The University of Nebraska

AZARI, Parviz Reza-Zadeh. The resistances of conalbumin and its iron complex to physical and chemical treatments.

RAO, Agaram Subba. Phenylalanine metabolism and thyroidal activity in rats fed raw soybean oil meal.

SHUEY, Eldon William. The role of nucleotides in the biosynthesis of L-rhamnose.

University of New Hampshire

VANDERVEEN, John Edward. Interrelationships of copper, molybdenum and sulfate sulfur in bovine nutrition.

New York University

CONRAD, John Terry. The veratrine response in frog muscle as studied by intracellular electrodes.

NASS, Sylvan. Localization and properties of phosphoprotein phosphatase in the frog egg.

STEIN, Edward. Effects of nitrate ion on the responses of normal and dystrophic rabbit skeletal muscle.

State University of New York, Downstate Medical Center

DORER, Frederick. The decarboxylation of serine in the heart.

KESNER, Leo. The excretion of non-nitrogenous organic acids in the urine.

The University of North Carolina

MC CLURE, Claude. An electrophoretic study of the calf thymus.

North Carolina State College

HALL, John Lovell. Studies on the conversion of nicotine to nornicotine.

LEATHERWOOD, James Murray. Study of cellulase from rumen bacteria and from *Ruminococcus albus*.

MARSH, JR., Herbert Verner. Investigations of the role of iron in chlorophyll metabolism.

Northwestern University

HUE, Allen Chuol. I. Study of blood enzyme activities in periodontally diseased individuals. II. Study of the diffusion of glucose through microbial plaques.

KOHN, Fred Ernst. A study of volatile aryl and alkyl carbonyl compounds arising during panary fermentation.

MOLNÁR, János. Biochemical studies on some reactions involving interactions with adenosinetriphosphate.

The Ohio State University

BROWNSTEIN, Arthur Marvin. Mechanism of enzyme action.

CAMPBELL, William Jackson. An investigation of deoxyribonucleic acids of leukocytes in human leukemia.

HAMDY, Mokhtar Mahmoud. A study of alpha-keto acids, amino acids, and citric acid in eight tomato varieties and their changes during processing.

HORROCKS, Lloyd Allen. The quantitative determination of glycerol, serine, ethanolamine, and fatty acids in lipids by gas-liquid chromatography.

KEENAN, Roy William. Studies on phospholipid biosynthesis with special reference to the plasmalogens.

LINGREL, Jerry B. An investigation of the later stages in protein synthesis.

RAO, Palamand Suryanarayana. Isolation and characterization of the heat-induced protein complex in milk.

The University of Oklahoma

CAHILL, Charles L. Extraction, partial purification, and chemical characterization of sheep follicle stimulating hormone.

SCHMIDT, Robert Wayne. Halogens, taurobetaine and waxes in gorgonians.

Oklahoma State University

DECKER, Richard Henry. The metabolism of 3-hydroxyanthranilic acid.

MATHUR, Girish Prasad. The synthesis and metabolism of DL-tryptophan-5-C¹⁴.

WILSON, Robert Gale. Some aspects of the tryptophan-niacin relationship.

University of Oregon

MARCÓ, Alicia E. Studies in diabetes: metabolism of muscle and aorta.

SPENCER, Rebecca Elaine Emily. A study of the catecholase activity of the enzyme tyrosinase.

Oregon State University

- LEE, CHUAN-PU. Biochemical studies of Western Ring Spot virus.
- MALLEY, Arthur. Isolation and some properties of allergens from Timothy pollen.
- MC DONALD, John Kennely. Carbohydrate metabolism and electron transport systems in the Ergot fungus, *Claviceps purpurea*.
- VAISEY, Edgar Byron. Studies on the organic acid metabolism of a wheat smut fungus (*Tilletia contraversa*).

University of Pennsylvania

- ROTHBLAT, George Harris. Sterol physiology of pleuropneumonia-like organisms.
- STEVENSON, JR., Irone Edmund. The cholesterol oxidase system: a study of its substrate specificity and some possible early intermediates.
- SULD, Helga Moeksi. The catabolism of 3d, 7d, 12d-trihydroxycoprostanol by rat liver mitochondria.

The Pennsylvania State University

- APPLETON, Martin David. Biochemical studies in mongolism: electrophoretic fractionation of plasma proteins and determination of blood cholesterol.
- PALMER, Ivan Stanley. Biosynthesis of β -galactosidase.
- SHIBUYA, Isao. The glycolipids of algae.
- STRICKLAND, JR., Erasmus Hardin. Respiration and phosphorylation in heart and liver mitochondria isolated from altitude acclimatized rats.

University of Pittsburgh

- BEATTIE, Diana Scott. The effect of altered endocrine states on the properties of hepatic glutamic-pyruvic transaminase.
- GOLUBOW, Julius. Studies on the proteolytic enzyme system of skin and its relationship to a state of hypersensitivity.
- LANDE, Saul W. Peptides related to MSH and ACTH.
- LIU, Teh-Yung. Biosynthesis of lactobacilic acid.
- NAPIER, JR., Edward Anthony. Isolation of cellular lipoproteins.

Purdue University

- BELFORT, Alan Michael. Action of hypochlorite on plant cell-wall polysaccharides.
- COLE, Edmond Ray. Preparation of purified bovine plasminogen (profibrinolysin) and antiplasmin (antifibrinolysin).
- EVANS, William Rue. Biochemical aspects of seed germination.
- FULLER, Ray Ward. Purification and properties of protease inhibitors in bovine and human serum.
- HUBBARD, Richard Ward. Proteins and amino acids in the blood and urine of mentally retarded subjects.

HUNG, Paul Porwen. Metabolism of inositol and inositol hexaphosphate.

JAHNSEN, Vilhelm James. The chemical composition of hardwood smoke.

OLSON, Erik Joseph. The effect of cholesterol and other dietary factors on skin lesions of rats with subacute magnesium deficiencies.

RHOADES, James Lawrence. The mechanism of action of transketolase.

Radcliffe College

JOEL, Peteranne Baker. Effects of estradiol on the metabolism of human placenta.

The University of Rochester

- DI FERRANTE, M.D., Nicola. Studies on urinary acid mucopolysaccharides.
- GLAZE, Robert P. The preparation and properties of cytochrome c_1 .

The Rockefeller Institute

- EDMUNDSON, Allen Broderick. Features of the molecular structure of sperm whale myoglobin.
- KIRSCH, Jack Frederick. Amino acid incorporation *in vitro* by ribonucleoprotein particles detached from guinea pig liver microsomes.

Rutgers University

- McGUINNESS, Eugene T. A study of ion and substrate effects on the kinetics of cytochrome c oxidase.
- RUSSELL, JR., Thomas Joseph. The distribution of S^{35} from labeled methionine among the plasma proteins of tumor-bearing and protein-depleted dogs.

St. Louis University

- FELGER, Carl Bryant. The estrogen glucosiduronides of human pregnancy urine: Estriol glucosiduronides.
- JELLINEK, Max. Biochemical interrelationships of some N-methylated amines.
- MICHAEL, William Robert. Synthesis and metabolism of vitamin K_1 -3'-methyl ^{14}C .
- SWEENEY, JR., Martin Joseph. Biochemical aromatization of cyclohexane derivatives.

University of Southern California

- FRISCH, David Marvin. The synthesis and biological activity of 5-halogenodeoxyribosides.
- SCHIFFMAN, Sandra Berman. Isolation and characterization of Hageman factor and plasma thromboplastin antecedent.

Stanford University

- FUJIMOTO, Yasuo. Preparation and some properties of tobacco mosaic virus with different metallic ion contents.
- SMITH, Oliver Hugh. Biochemical studies on tryptophan synthesis in bacteria.

TU, Anthony Tsuchien. I. The occurrence of iron in the yeast ribosome and in its nucleic acid. II. Preparation, infectivity, and electron microscopy of non-compacted tobacco mosaic virus.

ZIMMERMAN, Steven Burt. Influence of bacteriophage infection on the enzymatic pathways of deoxynucleotide and DNA metabolism in *Escherichia coli*.

Temple University

- DiPIETRO, David L. Glucose utilization by rat liver.
- GRANNIS, George Franklin. Dilute acid hydrolysis and structural studies of human serum albumin.

The University of Texas

- CLAYBROOK, David Leo. A study of some nutritional requirements for asexual growth of hydra.
- COTTON, Irene Anne Mydlinski. Soil microorganisms and pteridine metabolism.
- DAVIS, Alvie Lee. Some steric specificities of lysine antagonists.
- EDELSON, Jerome. Structural specificity of some amino acid analogs.
- FURLONG, JR., Norman Burr. Deoxyribonucleic acid polymerase activity in extracts of tumors.
- HENDERSON, Rogene Faulkner. An investigation of regeneration in *Planaria*.
- HENDERSON, Thomas Richard. Biochemical studies concerned with the maintenance of differentiated tissue in *Planaria*.
- PETTIT, Flora Vimont Hunter. A study of some control mechanisms in enzyme synthesis.

Agricultural and Mechanical College of Texas

- CREGER, Clarence Richard. Effects of unidentified factor sources on reproductive performance and certain biochemical functions of the mature fowl and the developing embryo.
- WEBB, Billy Dean. Spontaneous heating in stored feeds: causes, control and effect on growth of rats and chicks.
- WHITESIDE, Charles Hugh. B-vitamin functions in the mature turkey hen.

University of Toronto

- FELTHAM, Llewelyn Alistair Woodrow. Studies in muscle electrolytes.
- SANDOR, Thomas. *Part A*. Chromatographic fractionation of the lipidsoluble extract of urine from children with leukemia and allied diseases. *Part B*. Metabolism of aldosterone by surviving dog and human liver slides.
- WEBB, Thomas Evan. A study of certain conjugated peptidases.

Tufts University

- ASPEN, Anita June. Studies on the metabolism and biosynthesis of lysine.

WELLNER, Daniel. Crystalline L-amino acid oxidase: preparation, properties, and mechanism of action.

Tulane University

DE BALBIAN VERSTER, Floris. The localization, purification and characterization of diamine oxidase.

VIEIRA, Enio Cardillo. Role of purines in the biogenesis of folic acid.

University of Utah

GLAZER, Alexander Namiot. The sulfur distribution of papain and related studies.

HARDING, Boyd Wesley. Sub-cellular fractionation and testosterone metabolism *in vivo* of rat ventral prostate and canine prostate.

NOLAN, JR., Chris. Glycopeptides from gamma globulins.

Utah State University

DOBSON, Donald Christensen. Essential amino acid composition of a balanced chick diet.

Vanderbilt University

KIRSCHMAN, John Charles. A study of the effects of age, sex, and pyridoxine deficiency on the metabolism of polyunsaturated fatty acids in the rat.

NUENKE, Richard Harold. Preparation and chemical studies of glycopeptides derived from ovalbumin.

University of Washington

NAKATANI, Roy Eiji. Changes in the blood of nonprotein nitrogen and arginine during the upstream migration of Columbia River blueback salmon (*Oncorhynchus nerka*).

SCRIMGEOUR, Kenneth Gray. Enzymatic and chemical reactions involving "active formaldehyde."

Wayne State University

KIM, Kihan. Studies on stress or ACTH induced melanogenesis in goldfish.

VITTI, Trieste Guido. The effect of growth hormone on the incorporation of N¹⁵ from ammonium citrate, glycine, L-aspartic acid, L-alanine and L-glutamic acid into amino acids of liver protein.

The University of Wisconsin

ADKINS, James Scott. Further investigations of the amino acid nutrition of the domestic fowl.

AGARWAL, Hari Charan. Studies on house fly sterols and cholesterol-C¹⁴ metabolism in house flies and cockroaches.

BLAIR, Donald George Ralph. Factors controlling orotic acid metabolism and the biosynthesis of uridine nucleotides.

BUNCE, George Edwin. A study of the magnesium requirement of the young dog and of the effect of certain dietary factors upon that requirement.

DEESE, Dawson Charles. The role of pectic enzymes in susceptibility and resistance of plants to Fusarium and Verticillium wilt diseases.

HANNA, Augustine Bodya. Mineralogical analyses of a brown soil and a chestnut soil of the Republic of Iraq.

HARWALKAR, Venkatesh R. Specificity of milk lipases.

HAYMAN, Selma. Isolation and kinetics of two forms of torula fumarase.

HEDRICK, Jerry Leo. Hydroxypyruvic acid: chemical and enzymatic studies.

IYER, Thanukrishna N. Part I. The synthesis of optically active derivatives of streptomycin. Part II. Studies on a *myo*-inositol antagonist in mice.

KELLEHER, William Joseph. Biochemical studies on selenium.

KIRK, David Livingstone. The free amino acids and proteins of normal and hexadecane-treated guinea pig epidermis.

KNAUSS, Harold John. Studies on the enzymatic synthesis of cholesterol and intermediate compounds from 1-C¹⁴-acetate.

KORNGUTH, Margaret Livens. B-hydroxyaspartic acid: its chemical and biological properties.

KORNGUTH, Steven Edward. The biological properties of synthetic polypeptides and polypeptidyl proteins.

KUMTA, Umesh Shivrao. On balance and imbalance of amino acids in diets containing fibrin.

MORGAN, Dee Rich. Factors influencing the heat stability and gelation of concentrated milk.

PATEL, Thakorabhai D. Changes in the volatile flavor components of sterile concentrated milk during storage.

PHILLIPS, Donald Howard. Aeration in fermentations.

PIERINGER, Ronald Arthur. The metabolism of lysophosphatidic acid.

SANTIAGO-CALVO, Esteban. Studies on a new series of metabolically active phospholipides.

SEHGAL, Jag Mohan. Purification and characterization studies on oligomycin A.

SLAGEL, Donald Edward. I. Viscosity and electron microscope studies of proteins and synthetic polypeptides. II. An electron microscope study of the effect of polylysine on *Escherichia coli*.

THOMSON, William A. B. Gas-liquid chromatographic identification of volatile substances of biochemical interest.

WANG, Shu-Fang. The pathway of itaconate metabolism and studies on the action of thyroid hormones.

YUEH, Mao Hsun. Volatile flavoring constituents of beef and oysters and organoboron compounds of alfalfa.

Yale University

ALLENDE, Jorge Eduardo. The action of trypsin on subtilisin-modified ribonuclease.

CONNELLY, Catherine. Studies on the phosphoprotein phosphovitin.

LA NOUE, Kathryn Foley. Molecular interaction of isoalloxazine derivatives.

LEVINE, Elliot Myron. Metabolite uptake by serine-glycine auxotrophs of *Escherichia coli*.

LOACH, Paul Allen. Linked functions in heme peptides.

INORGANIC

The University of Akron

GIFFEN, JR., William Martin. Inorganic polymers based on titanium.

The University of Buffalo

PLUMB, William H. Aquation exchange kinetics of some rhodium complex compounds.

University of California, Berkeley

BECKMAN, Tad Alan. Infrared spectra of marginally metallic systems.

GRUBER, John Balsbaugh. An analysis of the absorption spectra of Tm IV and Am IV.

Case Institute of Technology

JOYNER, Ralph Delmer. Germanium and silicon phthalocyanines.

OWEN, James Emmet. Aluminum phthalocyanines.

The University of Connecticut

DICKINSON, John Guy. Factors influencing the formation of phases with the hexagonal barium titanate structure.

Cornell University

BURTON, Donald Joseph. Some reactions of highly fluorinated compounds with aluminum halides.

NIXON, James. A Raman spectrophotometric study of aqueous gallium (III) bromide solutions.

The University of Florida

BIRNBAUM, Ernest Rodman. Solvolysis kinetics of pyridine-boranes.

The Florida State University

CHOPOORIAN, John Andrew. The complex stabilities of the lanthanides with a series of α -hydroxy carboxylate ligands.

DINIUS, Robert H. Ion exchange reactions in concentrated strong acid solutions.

University of Illinois

CARLIN, Richard Lewis. Polarized crystal spectra of transition metal ions.

EIBECK, Richard Elmer. The synthesis and reactions of sodium and ammonium polysulfides in nonaqueous media.

FRIIHAUF, Edward Joe. Some polymeric metal complexes.

FUJIKAWA, Cliff Yasuo. Some organosilicon and -aluminum polymers.

HUHEEY, James Edward. Synthesis and properties of some diphosphorus compounds.

OH, Joon Suk. Some coordination polymers prepared from bis-(β -diketones).

RAGSDALE, Ronald Orlando. Reactions of nitrogen (II) oxide with Lewis bases. Part I. Kinetics of the nitrogen (II) oxide-diethylamine reaction. Part II. Reactions of nitrogen (II) oxide with various bases.

ROSE, Norman Jenisch. Molecular addition compounds of iodine.

SIEVERS, Robert Eugene. Metal chelates of some polyaminocarboxylic acids.

STRAUB, Darel Kerr. Dimethylsulfoxide as a solvent in coordination chemistry.

WENZ, Donald Arthur. Thermodynamics of molecular addition compound formation between amides and Lewis acids.

Indiana University

MOSS, Herbert Irwin. Vapor pressures, vapor compositions, and derived thermodynamic information of the KCl-CdCl₂ and KCl-ZnCl₂ molten salt systems.

Iowa State University of Science and Technology

DAHL, Gerd Helmut. Synthesis and properties of substituted borazoles.

DRUDING, Leonard Frederick. Interactions of praseodymium and neodymium metals with their molten chlorides and iodides.

EDWARDS, Arthur Pearson. Replaceability of fixed ammonium in clay minerals.

SEABAUGH, Pyrtle William. Physical properties of niobium iodides.

University of Kansas

CARLSTON, Richard Charles. A new method for the preparation of gallium dihalides and some observations on their properties.

VON WINBUSH, Samuel. New routes to cyanocomplexes of nickel (0) and nickel (I).

Kansas State University

SPLITTGERBER, George Hugo. The characterization of triethylphosphate and tributylphosphate as polarographic solvents.

Louisiana State University

HARRIS, Edward Lyndol. Cadmium halide complexes and anion exchange equilibria.

USATEGUI, Magdalena. Higher oxidation states of silver.

University of Maryland

ROCK, Michael. Thermal decomposition of tris (ethylenediamine)-chromium (III) chloride.

Massachusetts Institute of Technology

BUHRER, Carl Frederick. Some properties of bismuth perovskites.

EKMAN, Carl Frederick Wayne. Investigation of some of the properties of divalent silver.

GRIM, Samuel Oram. Studies in phosphine-methylene chemistry.

HORROCKS, JR., William DeWitt. Vibrational analysis of dimethyl sulfoxide and the thionyl halides.

KREISELMAIER, Kurt Walter. Calorimetric study of ion-exchange resins.

O'MALLEY, Robert Francis. Fluorination of nitrides.

SHORE, Bruce Walter. Proton reaction cross sections.

WEINER, Michael Allen. Tin-lithium exchange reaction as a source of new organolithium reagents.

McGill University

BLUM, Saul Charles. The transference numbers of some quaternary ammonium halides in nitromethane at 25°C.

University of Michigan

ALTON, JR., Earl Robert. The reaction of phosphorus trifluoride with aluminum chloride and related studies.

CARTER, James Clyde. The ammonia and alkyl amine addition compounds of carbon monoxide-borane.

YAMAUCHI, Masanobu. Reactions of the diammoniates of diborane and of tetra-borane.

Michigan State University

DAUGHERTY, Ned Arthur. A study of the copper (II) and nickel (II) complexes of some 5-substituted tetrazoles.

HARE, Curtis Robert. Preparation of siloxy-chromium compounds.

University of Minnesota

TAUB, Irwin Allen. Solubility studies of nitric oxide in various metal salt solutions: the equilibrium between ferrous ion and nitric oxide.

University of Missouri

TAPPEMEYER, Wilbur Paul. Studies in coprecipitation.

The University of Nebraska

MEYER, Herbert August. A critical analysis of the administrative arrangements and classification procedures employed in the general chemistry program at the freshman level at the University of Nebraska.

University of New Hampshire

BAKER, Ann Eldora. Preparation and structural properties of some fluorometallates of uranium and group V metals.

University of New Mexico

JONES, Kent Hoover. The dilute solution chemistry of antimony.

New York University

JERUSSI, Robert Anthony. A study of the reactions of ketones with selenic acid and hydrogen peroxide.

KANIECKI, Thaddeus John. Alcoholysis of monosubstituted beta-keto esters, and, the oxygen to carbon migration in acetoin esters.

NEWMAN, Paul. A general chemical method for establishing the absolute configurations of optically active biphenyls by asymmetric synthesis. The absolute configuration of 4', 1"-dinitro-1, 2, 3, 4-dibenz-1, 3-cycloheptadiene-6-one.

SALOP, Arthur. The measurements of the polarizabilities of the alkali atoms by the atomic beam E-H gradient balance method.

SCHNEIDER, Paul. Attempted synthesis of 2, 7-disubstituted 5, 10-dihydroarsanthrenes. Synthesis and configuration of substituted thianthrene-5, 10-dioxides.

WINDWER, Stanley Bernard. Solutions of alkali metals in ethylenediamine.

Northwestern University

HAMMAKER, Geneva Sinquefeld. Linkage isomerism: synthesis and isomerization of nitropentamine complexes of rhodium (III), iridium (III) and platinum (IV).

JOHNSON, Ronald Carl. Substitution reactions of chloroamineplatinum (IV) complexes.

The Ohio State University

IM, Yong Ae. Electron transfer rates through the use of optical activity: the electron transfer racemization of ethylenediaminetetraacetatocobaltate (III) and propylenediaminetetraacetatocobaltate (III).

ROBINSON, Martin Alvin. Complexes of metal ions with 2-pyridinalhydrazones and 2-pyridinalimines.

ROSE, Selwyn H. The preparation, properties, and reactions of 1,3,2-dioxaborolane.

Oklahoma State University

SPARAPANY, John Joseph. Tritium and nitrogen-15 isotope effects in the decomposition of p-nitrophenethyltrimethylammonium iodide.

Oregon State University

HATCH, Conrad Valoi. Thermodynamic characterization of graphitic oxide surfaces.

University of Pennsylvania

MORAN, JR., Edward Francis. The interaction of boron acids and phosphite bases and the conductance of various quaternary ammonium salts in ethylene bromide.

STERNBACH, Burt. Preparation and properties of methoxysilanes and methylsilyl-sulfide.

WARD, Laird Gordon Lindsay. The chemistry of some new inorganic derivatives of disilane.

The Pennsylvania State University

KARIPIDES, Dimitrios George. Coordination compounds of nickel (II).

NEWMAN, Gerald Henry. Polarization values of some salicylaldimine nickel (II) complexes.

OTTO, Harry Willy. Decomposition of perchlorate ion in fused salts.

Princeton University

TSU, Kin Hsueh-Yuan. Recombination of hydrogen atoms on glass.

Purdue University

SOPHIANOPOULOS, Judith Ann Symon. A quantitative study of the complexes formed between the methylamines and various metal cations.

WALLACE, William James. The interaction of diborane with metal borohydrides and borane amines.

Rensselaer Polytechnic Institute

ALLEN, Carolyn B. The diethyl ether extraction of iron (III) chloride from aqueous acidic lithium chloride solution.

St. Louis University

GRIFFO, Joseph Salvatore. Studies in the chemistry of decaborane.

WALLER, O.S.U., Sister Mary Concetta. Aqueous sodium borohydride chemistry.

University of Southern California

GRANT, JR., Louis Russell. Fluorocarbon polyphosphine chemistry.

HAIM, Albert. Oxidation and substitution reactions of cobalt cyanide complexes.

Temple University

McNEILL, William. The preparation and electrical properties of some low sodium content tungsten bronzes.

The University of Texas

CUNNINGHAM, James Alan. The mechanism of electrodeposition from aqueous solutions of square-planar complexes.

POTRAFKE, Earl Mark. Lower oxidation states of osmium.

SHARIF, Louay Ezziddine. Reactions of iridium complexes in liquid ammonia.

Texas Technological College

BEAR, John LaRue. A study of the thermal decomposition of some chromium (III) and cobalt (III) ammine complexes.

University of Toronto

BRISBIN, Doreen Amy. The stability of metallic complexes of substituted phenanthrolines.

MARSON, Ralph. The diamagnetic susceptibilities of some related series of oxygen and halogen compounds.

Vanderbilt University

TATE, Jack Franklin. Part I: A potentiometric study of the complexation reaction of some substituted benzenesulfonate anions with cadmium. Part II: A potentiometric study of the effect of certain cations on the stability of the CdNO_3^+ complex ion.

Wayne State University

DHAR, Sanat Kumar. Six-coordinate silicon (IV) I. Synthesis of new six-coordinate silicon (IV) complexes. II. Mechanism of racemization of the tris (acetylacetonato) silicon (IV) cation in nonaqueous and semiaqueous media.

SONNESSA, Anthony Joseph. The rotatory dispersion of asymmetric complex inorganic compounds. I. The construction and operation of a precision spectropolarimeter. II. The effect of optically inactive ions on the rotatory dispersion of optically active complex ions.

WEI, Yung-Kang. The preparation of complex inorganic compounds of potential physiological importance and a study of their physical and chemical properties and possible anti-carcinogenic and anti-viral activity.

ZAJICEK, Oliver Thomas. The solubility equilibria of germanium (IV) oxide and germanium (II) hydroxide in perchloric acid and sodium hydroxide at 25 C°.

ORGANIC

The University of Akron

BALL, Lawrence Ernest. Synthesis and polymerization of 1, 4-dimethylenecyclohexane.

DUDEK, Thomas J. Anionic polymerization of ethylene oxide.

University of Alabama

WILLIAMS, George Charles. Comparative reactivities of axial and equatorial carbinol derivatives.

University of Arkansas

HILL, John William. Chlorine isotope effects in the reactions of benzyl and substituted benzyl chlorides with various nucleophiles.

JEFFERY, David Austin. The kinetics of oxygen-18 exchange of substituted benzyl alcohols as a function of acidity.

Auburn University

PAYNE, Charles Alfred. The syntheses of some highly methylated indole-3-acetic acids.

PIPER, James Robert. A study in the indole series. Unambiguous syntheses of some 4- and 6-substituted derivatives of heteroauxin.

STRUCK, Robert Frederick. The synthesis of polymethylene-bridged diphosphine dioxides.

Baylor University

HARLAN, Horace D. A kinetic study of the hydrogenolysis of allyl phenyl ether by lithium aluminum hydride.

SERVOSS, William Carr. Hindred ketones and Grignard reagents.

Brandeis University

HOWELLS, W. Glenn. Intraannular resonance effects in ferrocene.

KHEDOURI, Ezra. A study of stereospecificity in hydrolysis by α -chymotrypsin.

ZAND, Robert. The synthesis and kinetics of decompositions of bridged bicyclic azo compounds and the polymerization kinetics of styrene initiated by diphenylmethyl radicals.

Polytechnic Institute of Brooklyn

BIKALES, Norbert M. A kinetic investigation of the reaction of methylmagnesium bromide with benzophenone.

FALK, Robert Allen. Syntheses and reactions of iodonium salts.

GLADSTONE, Harold M. The acid-catalyzed rearrangements of 2,2-dialkyl-1,3-propanediols.

HALL, JR., John Richard. Cyclic azo compounds: properties and synthetic methods.

KESSLIN, George. Preparation and decomposition of azo compounds. Part I. Oxidation decomposition products of 3,6-dicyano-3,6-dimethyl-1,2,4,5-tetrahydropyridazine. Part II. Preparation and decomposition of 3,6-dimethyl-3-phenyl-2,4,5-trihydropyridazine.

MARULLO, Nicasio Philip. Abnormal oxidation of hydrazines.

MATTHEWS, Demetreos Nestor. A study of the Diels-Alder reaction of tetracyclone and methyl arylpropiolates.

SCHMITT, Edward Emil. Conformation aspects of oligomeric peptides.

Bryn Mawr College

GORDON, Janice Taylor. Substituent effects in the photolysis of triphenylethylenes.

The University of Buffalo

HAUSER, Martin. Pyrazolono (3,4-d) Pyrimidines.

PECKA, James Thomas. The reaction of cyanogen with aminophenols.

University of California, Berkeley

EASTMAN, John Wesley. Charge-transfer association and paramagnetism of some organic systems.

KELLER, Richard Alan. Microwave spectra of some organic molecules: formic acid, tetrahydrofuran, and dimers of some carboxylic acids.

KRAUS, Kenneth Wayne. Certain reactions of Grignard and cadmium reagents.

PON, Ning Gin. Studies on the carboxydismutase system and related materials.

ROSS, James Adair. The ultraviolet irradiation of 3,5-cholestadiene.

TRETTTER, James Ray. Studies in indole synthesis.

WEIR, Mary Rose Stewart. Studies on the nitrous acid deamination reaction.

WESTMAN, Thomas Louis. Studies in the 9-substituted decalins.

WILLSON, Clyde de Clifford. Studies in the pyrrole series.

University of California, Davis

LICHTENSTEIN, Ivan Edgar. The nature of the chromium(VI)-1,5-diphenylcarbohydrazide reaction.

University of California, Los Angeles

JONES, Peter H. Reactions of diphenylcarbenes.

California Institute of Technology

ABRASH, Henry Ivan. I. Steric and electrostatic repulsions in the inhibition of alpha-chymotrypsin catalyzed hydrolyses by indole derivatives. II. Steric requirements for substrates of alpha-chymotrypsin.

ALMOND, JR., Harold Russell. I. The consequences of systematic error in enzyme kinetics. II. L-tyrosyl-L-tyrosine derivatives for the detection of transpeptidation in alpha-chymotrypsin-catalyzed hydrolyses. III. The interaction of alpha-methyl-alpha-acylamino acids with alpha-chymotrypsin. IV. The apparent ionization constants of a series of phenylalanine derivatives.

FARRAR, Grover Louis. I. *cis*- and *trans*-1,2-diaminocyclohexanes. II. A study of the tertiary amine precursors of pyrrole.

HILL, Elgin Alexander. Stabilization of carbonium ions in the vicinity of metallocene nuclei.

KIEFER, Edgar Francis. Synthesis and solvolytic reactivity of unsaturated cyclobutyl bromides.

MONTGOMERY, Lawrence Kernan. Substitution reactions occurring via the elimination-addition mechanism. I. The reactions of 1-chlorocyclopentene and 1-bromocyclobutene with phenyllithium. II. The coupling reaction of phenyllithium and cyclopropyl chloride and the action of strong bases on 1-bromoadamantane.

NORDLANDER, John Eric. Studies of Grignard reagent rearrangements by means of nuclear magnetic resonance spectroscopy. I. The structure of allylic Grignard reagents. II. The interconversion of cyclopropylcarbinyl and allylcarbinyl Grignard reagents.

PANAR, Manuel. The elimination-addition mechanism of nucleophilic aromatic substitution.

SCHUSTER, David Israel. Synthesis and free radical decarbonylation of some small-ring aldehydes.

VOGEL, Martin. Stereochemical study of cyclopropylcarbinyl derivatives in carbonium-ion reactions.

Carnegie Institute of Technology

CHOU, Chih Hsin. Structural studies on some amino compounds derived from flavone.

ELY, William Tandy. The synthesis of compounds related to vasicine.

OWELLEN, Richard John. Compounds in the pyrrolo [3,4-b] indole series.

VIDA, Julius Adalbert. The synthesis and stereochemistry of pyrrolidines and 3,3'-bipyrrolidines.

Case Institute of Technology

HEIN, Richard William. Ion-exchange resin catalysis of the Knoevenagel condensation of ketones.

University of Chicago

SEBERA, Donald K. Organic acids as ligands in some electron transfer reactions.

University of Cincinnati

ALSAT, Munir. Synthetic attempts in the triazane field.

BARRY, Roger Donald. Some investigations of aldol-type condensations of phthalides.

HAHN, Chi-Sun. The basicities of azoxybenzenes and the behaviour of azosybenzenes in strongly acidic solution. The Wallach rearrangement.

HSIUNG, Hsiao-shu. Polarography of some metal ions in formamide.

KIM, Jin-Young. Cleavage of carbon-metal bonds by acids.

OKUZUMI, Yuzi. Acidities of some weak acids.

SHAHEEN, Edward G. Synthesis of organosulfur compounds structurally related to mustard oil as an attempt in cancer chemotherapy.

University of Colorado

BOUBOULIS, Constantine J. Reactions and rearrangements in the dibenzobicyclo-[2.2.2] octadiene system.

CASPAR, Myron Lenord. Preparation and reactions of anthracenes and dihydroanthracenes. Stereochemistry of 1,4-conjugate eliminations.

FEIST, William Charles. Acenaphthene chemistry. Part I. The preparation and reactions of some pyracene glycols. Part II. The synthesis and properties of an acenaphthenequinonemonoimide.

GINI, Donald Christopher. The chemistry of fluorinated cyclobutane derivatives.

LAMB, Robert William. Pyrolysis of organic halogen compounds.

O'KEEFE, David Michael. Part I: The preparation and reactions of some halogenated ethers. Part II: Fluoroalkyl sulfides and sulfones-solid derivatives of halogenated olefins.

STEFANI, Andrew Peter. Part I: Nitroso and nitro derivatives of some fluorinated olefins. Part II: Fluorinated O-alkyl oximes, solid derivatives of fluorinated olefins.

WILSON, Lynn Harold. Nucleophilic displacement reactions of some halogenated cyclobutenes.

Columbia University

BIRNBAUM, George I. Part I. Synthetic approaches to tetracyclines. Part II. Mechanism of the reaction of carbonyl cyanide with olefins. Part III. Alkylation of diaminines.

BOIKESS, Robert S. Homoconjugate reduction of some diphenylcyclopropenes by lithium aluminum hydride. Approaches to a cyclopropenylcarbinyl cation.

CHANG, Hai Won. The stability and reaction of some cyclic cations. Part I. Cyclopropenyl cations. Part II. Cyclopentadienyl cations.

KIVELEVICH, Doris. Synthetic approaches to a substituted cyclobutadiene Part I: The structure of distyrenic acid. Part II. Other synthetic approaches to substituted cyclobutadiene.

McKELVIE, Neil. Reactions of triphenylphosphine with polyhalomethanes: new free radical processes among trivalent organophosphorus compounds.

McNELIS, Edward Joseph. Thiazolium salts as models for thiamine action.

RUBINFELD, Joseph. Synthetic approaches to the Yohimbine alkaloids via the Diels-Alder reaction.

STICKLER, William Carl. N-guanylsarbanilic acid and certain of its derivatives.

THALER, Warren Alan. The t-butyl hypochlorite chlorination of olefins.

TSUJI, Jiro. Part I: Studies toward the total synthesis of vitamin D. Part II: Synthetic studies related to the aconite-garrya alkaloids, (A) synthesis of model nitrogen compounds (B) synthesis of octahydrophenanthrene derivatives.

Cornell University

BOTTOMLEY, Charles Gregory. The chemistry of 1-methyl-2-phenylbenzocyclobutene *in re* the cyclobutadiene problem.

CRAIG, Rhoda Evelyn Richardson. Syntheses of 5-spiro-substituted 1,3-cyclopentadienes and 7-spiro-substituted 2,5-bicyclo (2.2.1) heptadienes.

EDELSON, Martin Robert. The photochemical aquation of the chromium ammines.

MILLER, George Allen. Some aspects of the stereochemistry of nine-membered carbon rings.

RESNICK, Paul Raphael. Vapor phase chlorination and thermal reactions of unconjugated chloroperfluorodienes.

STEVENS, Malcolm Peter. Part I: Solvolysis of 3,4-dichloro-1,2,3,4-tetramethylcyclobutene-1. Part III: A new mechanism of furan formation.

University of Delaware

DIEHL, Robert Eugene. I—The hydrolysis of some bicyclic enol acetates. II—The chlorinolysis of some optically active sulfides.

PIOTROWSKI, Alfred B. Stereochemical course of the chlorinolysis of β -chlorosulfides.

POZIOMEK, Edward J. Studies in the chemistry of formyl (and keto)-pyridinium oximes.

Emory University

McCLURE, George. Reaction of β -isopropyl- γ -keto pimelic diethylester with some organometallic compounds.

SINGH, Kshatra Pati. The total synthesis of dl-matridine.

The University of Florida

BROADDUS, Charles David. Reaction of 1,1-diphenyl-2-nitroethylene with strong base.

DURRELL, William Sandford. The preparation and reactions of some fluorocarbon acylamino compounds.

MICHAELS, Nicholas. Autoxidation inhibition in tetralin.

MILLER, Wesley Lamar. Preparation of stereospecific polymers through a cyclic polymerization mechanism.

POVLOCK, Thomas Paul. Boroxines: their reaction and ring stability.

SILVERMAN, Bernard. Syntheses and characterization of some 3,4,5-trimethoxybenzoyl; 3,4,5-trimethoxybenzyl; and 3,4,5-trimethoxyphenylethyl derivatives of piperazine and some related compounds.

SKINNER, David Lloyd. The preparation and polymerization of some diallyl- and dimethylallylphosphonium bromides.

STACKMAN, Robert William. Preparation and polymerization of certain diunsaturated silanes.

STUMP, JR., Eugene Curtis. The synthesis and reactions of some saturated and unsaturated fluoroethers.

TAI, Wun-Ten. The stereochemistry of the decomposition of 1-pyrazolines.

TLUMAC, Fred Norman. The catalyzed isomerization and dimerization of unsaturated fluorocarbons.

WEINLE, Paul Louis. Autoxidation inhibition in cumene.

WISE, JR., Hugh Edward. The stereochemistry of the reduction of an alicyclic unhindered ketone with some borohydrides and diborane.

The Florida State University

PLONSKER, Larry. The kinetics of the cyclopropylcarbinyl rearrangement.

Fordham University

GAUGHAN, Edmund J. The action of sodium amide and other bases on benzyl type quaternary ammonium salts.

VRATSANOS, Spyros M. Behavior of trypsin in organic solvents.

Georgia Institute of Technology

ALLEN, George Cyrus. Spiropiperidine thio-barbituric acids.

APRAHAMIAN, Nazar Simon. The kinetics and mechanism of iodination of phenol, *p*-nitrophenol, anisole and their deuterated derivatives.

PORTER, John Jefferson. The formation of methylene intermediates from organic sulfur compounds.

University of Illinois

ANDERSON, Donald James. Neighboring group participation in some cyclic sulfides.

BABAD, Harry. Part I. Synthetic routes to tricyclo(4.2.2.2^{2,5})dodecene-1. Part II. Reactions of secondary diazo compounds with zinc iodide.

BECK, James Richard. Streptolydigin structural studies.

BENTRUDE, Wesley George. Anchimerically assisted homolytic bond cleavage.

BERGER, Clemens Rainer Anton. Reactions and rearrangements of allyl-C¹⁴ compounds.

CARSON, John Robert. Studies on the synthesis of thieno[2,3-b]pyrrole.

CHIPMAN, JR., Wilmon Blackmar. Transannular interaction between nitrogen and multiple bonds.

DE VRIES, Donald Laverne. O-alkylations with O-alkylcaprolactams.

DYBVIG, Douglas Howard. Dienone formation by alkylation of phenol salts.

DYKSTRA, Thomas Karl. Polymerization of the vinyl esters of some fatty acid derivatives.

GREENLEY, Robert Ziolkowski. I. Polymerization of some cyclic, non-conjugated diolefins. II. An attempted synthesis of an ethylene-anthracene copolymer.

HAUSSER, Jack Walter. Isomerism of substituted imines.

HEDGE, John Alan. Chemistry of isopropylidene malonate and its derivatives.

HILL, James Cameron. Unusual Grignard reactions observed with *o*-methoxyphenylmagnesium bromide.

KAMPMEIER, Jack August. Reactions of vinyl amines.

KIENER, Pierre Emil. Polyalloocimene.

KURZ, Richard Karl. Reactions of aromatic boronic acids.

LOOKER, Jerome Jordan. Conjugate di-addition of Grignard reagents to duryl phenyl ketone.

MCARTHUR, Colin Richard. Condensations of organolithium and organomagnesium reagents with duryl ketones.

NEALE, Robert Schwenn. Tautomeric equilibria in unsaturated esters.

PAISLEY, David Mearns. Part I. Some polymerization reactions of the acrylate and methacrylate esters of alcohols from *Simmondsia chinensis* seed oil. Part II. Polymerization reactions of some organophosphorous compounds.

SMITH, Russell George. Sesquioxanthrol and related compounds.

TALBOTT, Richard Lloyd. Ring closure in reactions of 2-acetylbiphenyls. Phenanthrenequinone.

WITT, JR., John. Utilization of 2H, 3H-thieno(3,2-b) pyrrol-3-one in the synthesis of the thieno(3,2-b) pyrrole derivatives.

YOUNG, David Valentine. Chemistry of indole compounds containing the β -(2-nitroalkyl) group.

Indiana University

CHERNIN, Robert. Organic analytical reagents in inorganic analysis: the use of the sulfonamido group as the acidic function in inner complex formation.

MARQUARDT, Fritz Hans. Synthesis and properties of 1,2,5-thiadiazole and its derivatives.

MCDOWELL, John William. The reduction and reduction acylation of Schiff bases with alkamine boranes.

MURR, JR., Brown Lewis. Precise conductance determination of effects. Solvolysis constants and deuterium isotope.

PERA, John Dominic. The reactions of substituted acetophenones with hydrogen sulfide.

SHAW, Richard Gregg. A phytochemical investigation of *Lithospermum ruderae*.

The Institute of Paper Chemistry, affiliated with Lawrence College

EASTY, Dwight Buchanan. The synthesis and acid hydrolysis of methyl alpha-d-glucopyranosiduronic acid.

McKEE, Samuel Christian. An investigation of the hydrolysis of a reduced 4-O-methylglucuronoxylan.

TROTTER, Patrick Casey. The action of sodium hydrosulfite on selected flavonoid compounds.

WADSWORTH, William Whitney. The synthesis, characterization and attempted polycondensation of 2,3,6-tri-O-benzoyl-alpha-d-glucopyranosyl bromide.

State University of Iowa

DOONE, Robert George. Investigation of anisyl derivatives in sulfuric acid.

DUTY, Robert Clifford. The polarographic study of polyhalogenated compounds in acetonitrile, dimethylformamide and tetramethylurea.

FREY, David Allen. An intramolecular-intermolecular propagation in the polymerization of non-conjugated diynes by metal alkyl coordination catalysts.

GUNDERSEN, Allan Andrew. I. The polarographic behavior of aromatic ketones and aldehydes in anhydrous dimethylformamide. II. The polarographic behavior of α , β unsaturated carbonyl compounds in anhydrous dimethylformamide.

MONTGOMERY, Franklin Luckenbill. Reaction of flavylum perchlorate with primary aromatic amines.

NEWSOM, Raymond Alvin. Rearrangement reactions of 1,2-disubstituted-1-phenyl-3,4-dihydronaphthalenes.

PETERSEN, Ingo Hans. Preparation of some fluoranthene derivatives. Part II: 2-amino- and 2-N, N-dialkylaminomethyl-1, 2,3,10b-tetrahydrofluoranthene-3-ones.

VESSEL, Eugene David. The polymerization of phenyl substituted butadienes by metal alkyl coordination catalysts.

YEAKEY, Ernest L. Part A—The preparation and thermal rearrangement benzyl aminimides. Part B—The preparation of an optically active aminimide.

Iowa State University of Science and Technology

BISHOP, Charles Anthony. Pyrolytic and base-catalyzed elimination reactions: effect of structure on the rate of reaction.

BROOKS, JR., Houston George. Vitamin B₆ derivatives and related compounds.

HANSEN, John Holmes. Structure studies on gelsemine.

JOHNSTON, David B. R. Syntheses with hemimellitic acid and related compounds.

MAHONEY, Lee Robert. The hydrolysis of cyclopropyl acetate.

PASTO, Daniel Jerome. The chemistry and photochemistry of gamma-tropolone methyl ether.

PONDER, Billy Wayne. Synthetic approaches to the cyclic ethylene ketal of cyclopentadienone.

STENBERG, Virgil I. Substitution reactions of aromatic resin acids.

TREPKA, William James. Aryloxy and related organosilicon chemistry.

WATERS, James Harvey. Mechanism of aromatic substitution by free radicals.

ZUECH, Ernest A. Cyclic organosilicon and related compounds.

The Johns Hopkins University

GOLDSTEIN, Theodore Philip. I. The stereochemistry of crystal violet. II. The rate of diazonium coupling as applied to histochemistry.

HILL, Ada Sinz. Reductive deamination of aliphatic amines.

McGUIRE, Francis Joseph. Preliminary studies on the structure of "a"-caryophyllene alcohol.

SHUN, Clara Kweifong. A quantitative study of the mode of linkage between heme and globin in human hemoglobin and carbon-monooxyhemoglobin.

University of Kansas

BARON, Frank A. Synthesis of substituted 3, 5-morpholinediones as potential central nervous system depressants.

BARON, JR., Joseph John. Studies on the lithium aluminum hydride reduction of epoxides.

BERGER, Abraham. An investigation of specific metal effects in reactions of metal-cyclopentadienyl compounds.

BLADÉ-FONT, Arturo. Part I. Preparation of intermediates in the Bischler indole synthesis. Part II. Some reactions of optically active methylethylphenylbenzylidenephosphorane.

BUBLITZ, Donald Edward. A study of relative reactivities of certain ferrocene, ruthenocene, and osmocene compounds.

BUELL, Glen R. Specific metal effects in the reactions of some vinylmetallocenes with weak acids.

DORN, Peter. The reaction of vicinal dibromides with mercaptides.

HEASLEY, Gene E. A study of the lithium aluminum hydride reduction of para-substituted styrene sulfides and oxides.

HOH, George L. K. Studies at constant current. Part I. Substituent effects in the chronopotentiometric oxidation of ferrocenes. Part II. The polymerization of styrene at a cathode.

LEVINE, Isaac Jacob. Timing of the covalency changes in the rearrangement of triarylmethyl perbenzoates.

LIAO, Tsung-Kai. The acid-catalyzed condensation reactions of Reissert compounds with carbonium ions.

NORDIN, Ivan Conrad. Angular alkylation by Claisen-type rearrangements.

Kansas State University

HAYS, Hugh Robert. Studies on thiiranes and thietanes.

IVES, Edwin Kennedy. Part I: The reactions of some α -alkyl- α , β -dichloroaldehydes with sodium methoxide. Part II: The base-catalyzed cleavage of 1,3-glycols.

MUGGLI, Robert Z. Reactions of 3,3-dichloroacroleins with active methylene compounds—synthesis of substituted 2-pyrones.

University of Kentucky

BRASCH, Jay. Synthesis and pyrolysis of cycloalkanopyrroles.

GRINNINGER, Lowell Don. N-sulfinyl amines. Effect of structure on the alcoholysis reaction.

THIO, Poo An. Part I. Preparation of S-keto acids via Grignard reagents. Part II. Preparation of sulfinamides via Grignard reagents.

WILSON, Donald Dean. Investigation of the Hofmann reaction of perhaloacetamides.

Lehigh University

SHUMAN, Robert F. The synthesis and chemistry of 1, 3-disubstitutedoctahydropyrido [1,2-c] pyrimidines, N, 1, 2-trisubstitutedethylamines and certain related compounds.

TYLER, William Elliott. 5, 5-Dimethylcyclopentadiene.

WIGHTMAN, James Pinckney. Particle-particle interaction in organic media.

University of Louisville

BODRE, Robert Joseph. Polymers and copolymers and potassium 4-vinylbenzenephosphonate.

BYRD, JR., David Shelton. An investigation of the reaction of diborane with nitroolefins.

CHANG, Sae-Hee. The bitter principle of colocynth pulp. Some ketosteroid derivatives, and some 9-phenanthrenecarboxaldehyde derivatives.

CRAWFORD, Thomas Henry. The nuclear magnetic resonance analysis of some geometric isomers.

MAYBERRY, Gerald Lee. I. The copolymerization behavior of some divinyl monomers with styrene. II. The infra-red spectra of some 9-acridanones.

RIDGWAY, James Stratman. The chemistry of amide derivatives of diols and acids.

University of Maryland

CESARE, Frank. Dehydration of tertiary alcohols with aryl isocyanates and pyrolysis of ketones.

FETTER, Edward Joseph. 1,2,4,5-tetramethylenecyclohexane and 3,4-dimethylene-thiophane.

HOOTON, John Robert. Directional studies in the pyrolysis of unsaturated compounds.

ISAACSON, Robert Burton. I. Reactions of compounds containing carbonyl functions over alumina; II. The synthesis of branched polyphenyls.

JONES, Donald George. The effect of selected nitro and cyano compounds on the rate of self-etherification of benzhydrol in benzene.

SCOTTI, Frank. Synthesis of polyphenyls.

WEBER, Harry Walter. Trisubstituted hydroxyl free radicals.

Massachusetts Institute of Technology

ADAM, Waldemar. Sections I and II: Reaction of diacyl peroxides with unsaturation. Section III: Autoxidation of galvinoxyl.

BOSHART, Gregory Lew. Syntheses and reactions of carbodiimides.

BOSTON, Alma May. Syntheses and reactions of A-Nor-cholestanes.

BURKARD, Herbert Lawrence. Studies on the Bamford Stevens decomposition.

CARGILL, JR., Robert Lee. Synthesis of peptides related to etamycin.

CHANDLER, Roger Eugene. I. Sterically controlled synthesis of amino acids. II. Synthesis of histidyl peptide derivatives.

GILLIOM, Richard D. I. Thermal decomposition of *ortho*-phenylbenzoyl peroxide. II. Reactions of alkyl hypochlorites.

GILMORE, William Franklin. Study of the Favorskii rearrangement.

KUHN, David Albert. Mechanism of formation of N-butylacetamide from methyl acetate and n-butylamine in methanol and methanol-d and mechanism of cyclization of 4-chlorobutanol in light and heavy water.

LAZAR, Joseph. Comparative studies of the Hofmann and amine oxide pyrolyses.

MCGREGOR, Donald Neil. Synthetic peptide models of enzyme active sites.

PARAGAMIAN, Vasken. Part I: Synthesis of derivatives of 1-indanone. Part II: Synthesis of derivatives of hexahydrofluorene. Part III: Synthesis of a degradation product of gibberellic acid.

RYERSON, George Douglass. Investigation of the mechanism of rearrangement of α , β -epoxy ketones.

SAVITZ, Maxine Lazarus. Mechanism of the decomposition of tertiary hypochlorites.

WAKABAYASHI, Nobel. I. Partial synthesis of patchoulione. II. Stereochemistry of patchouli alcohol and the absolute configuration of cedrene.

WARD, Harold Roy. Part I: Gas chromatography of H₂, HD, and D₂. Part II. Equilibration of cyclic allenes and acetylenes. Part III. Study of the reaction of gem-dibromocyclopropanes with alkyllithium reagents.

McGill University

CAMPBELL, Hugh John. Studies on the protonation of some organic compounds.

JAIN, Mauji Ram. A study of spruce periodate-formaldehyde lignin.

SAMAD, Syed Abdus. Reactions of acyl peroxides.

SITARAMAIAH, Gullapalli. Molecular size and configuration of carboxymethyl cellulose in aqueous solutions.

University of Michigan

CALLAHAN, John Joseph. Elimination reactions of pyrazolinesulfonamides with base.

CHAYKOVSKY, Michael. An approach to the total synthesis of steroids.

KAN, Robert Oscar. The preparation and reactions of some cyclic thio imides.

KENNY, David Herman. Thioacyl azides and 1,2,3,4-thiadiazoles.

MARSHALL, James Arthur. Approaches to the synthesis of pimaric acid.

ROPER, Don Albert. Gamma-ray induced addition of triphenylsilane to alkenes.

ZIELINSKI, Richard Joseph. Chlorination of sodium *endo*-3-phenyl-(2.2.1)-bicyclohept-5-ene-*exo*-2-carboxylate in aqueous solution.

Michigan State University

CANON, James Marquess. Electric dipole moment studies of some hydrocarbons and of cyclohexane derivatives.

CIPRIANI, Romeo A. (I) The decomposition of cyclopropaneacetyl peroxide. (II) The decomposition of some t-butyl peresters derived from alicyclic acids.

FISH, Richard Wayne. Part I: Dipositive carbonium ions. Part II: Synthesis and reactions of tetramethylbenzocyclobutene derivatives.

STERKEN, Gordon Jay. Synthesis of tetrazoles as amino acids analogs.

University of Minnesota

BALDWIN, John James. Synthesis and study of derivatives of trimethylhydroquinone possessing a conjugated side chain at position six.

BLACKLEY, William David. Deuteration of aromatic compounds.

BRAXTON, JR., Henry Green. Reactions of diazo compounds with nitroolefins.

EARGLE, JR., Dolan Hoyer. Nitrocyclobutyl ketones I: The synthesis and methoxide reaction of 2-nitrocyclobutyl phenyl ketones.

HANSEN, Richard LaVerne. The relative reactivities of some alkyl mercuric iodides toward aqueous non-halogen acid and a quantum mechanical study of methyl anion.

HILEMAN, Robert Eston. The rearrangement of 4-(p-carbethoxyphenoxy)-2-butene-1-C¹⁴.

KERN, Neil Vance. The reaction of triphenyltin hydride with the acetylenic bond.

KURYLA, William Collier. Synthesis of Triindole and other indole trimers and dimers: the reactions of indoles with dienophiles.

MUMMA, Richard Howard. A study of some benzocycloalkenes.

SCHALEGER, Larry Leroy. The mechanism of deoxymercuration and structure of mercurials in solution.

SCHWARTZ, Robert David. The cyanoethylation of 1-methyl-3-phenylindene.

SMITH, Lowell Richard. The nitration of indoles.

THEISSEN, Donald Raymond. A study of the chemistry of vinyl sulfides and vinyl sulfones.

WILGUS, III, Herbert Sedgwick. Indenyl free radicals.

University of Missouri

SWISHER, Joseph Vincent. Silicon-substituted styrenes; their syntheses, spectra and reactions.

Montana State College

KEELAND, W. Eugene. A study of the chemical and physiological properties of *Rivea corymbosa* (L.) Hillier Filius.

YAO, Shi Kuang. Fused small ring compounds.

The University of Nebraska

AYER, Randall Plaisted. Products and kinetic studies of the dehydro-bromination reactions of 2-bromo-2-benzyl-1-indanones and 2-bromo-2-benzyl-4, 4-dimethyl-1-tetralone.

BARKLEY, Raymond Patrick. Synthesis of some benzo [f]-1, 7-naphthyridines.

DIRKS, Jerald Edson. Rearrangement of N-chloroiminoesters.

HESS, Patrick Henry. The chemistry and kinetics of reaction of certain tertiary alkyl aryl α -bromoketones.

MITSCH, Ronald Allen. The synthesis and reactions of 6H-indeno (2,1-b) quinoline, 11H-indeno (1,2-b) quinoline, and 11H-indeno (1,2-b) quinoxaline derivatives.

ZEY, Robert Lawson. Rearrangement of N-chloro amides.

University of New Brunswick

KHALEQUE, Abdul. Part I. Methyllycaconitine; Part II. Structure of castorane; Part III. Basic constituents of water lilies.

PAPADOPOULOS, Socrates F. The structure of quassin and pseudo-quassinolic acid.

PODESVA, Ctirad. The structure of quassin and bisnorquassin.

University of New Hampshire

GIANNI, Michael Harry. The determination of the absolute configuration of an allene.

LEVINS, Philip Leo. Kinetics and mechanism of the protonolysis of the tin-hydrogen bond.

New York University

AXENROD, Theodore. Part I: Steric effects in the dimerization of free radicals. Part II: Mechanism of the reaction of Grignard reagents with benzyl halides.

BOSNIACK, David. Orientation and reactivity in aromatic free radical substitution. Attack by p-nitrophenyl radicals on tert-butylbenzene.

BRASWELL, Emory Harold. The metachromatic reaction of heparin.

HYDEN, Seymour. Synthesis of 1, 2, 3, 4-dibenz-1, 3-cyclononadiene-7-carboxylic acid.

WILSON, Lawrence Herrell. Mechanisms of hydrolysis of hemi-esters of arylphosphonic acids in acidic solution.

The University of North Carolina

CARROLL, Frank Ivy. Preparation and cyanide ion cleavage of unsymmetrical aliphatic disulfides.

CLARK, Allen Keith. A study of the ferrocenyl group as a substituent.

COOK, Clarence Edgar. The preparation and reactions of some pyrimido 5, 4-d pyrimidines.

EISENTHAL, Robert Simon. The synthesis of heteroannular substituted ferrocene monocarboxylic acids: the interannular substituent effect in ferrocene.

FISHER, Richard Frank. The Beckmann rearrangement of some substituted 2-oximino-1-indanones.

KOESTLER, Robert Charles. A study in the preparation of heteroannular substituted ferrocenes from fulvenes and fulvenoid compounds.

PRIEST, David C. The synthesis of a new system of organic chelons.

Northwestern University

BILLIG, Ernst. I. Stereochemistry of some salts derived from 3,5-cyclo-cholestane-6-one. II. Attempted synthesis of some 3,5-cyclo-steroidal systems.

CESARK, Frank F. Carboxy derivatives of hydrazines: The synthesis and reactions of hydrazinedicarboxylic anhydrides.

JAMISON, Joel D. The chemistry of 2-benzhydrylphenylacetic acid and some new condensation reactions in polyphosphoric acid.

MACON, Arthur Riley. Vapor phase pyrolysis of some aromatic hydrocarbons and sulfur heterocyclic compounds.

PAUFLER, Robert Michael. Ketonization of a dienol and the synthesis and properties of bicyclo(2.2.2.)-2,5,7-octatriene (barrelene).

ZWEIG, Arnold. Carbanion rearrangements.

Ohio University

GILDE, Hans-Georg. The Kolbe electrolysis as a source of free radicals in solution.

MADISON, Norman Lewis. I. The thermal cyclization of diolefins. II. Racemization and double bond migration during hydrogenation of optically active olefins.

The Ohio State University

FIFE, Wilmer Krafft. The Claisen rearrangement of substituted cinnamyl aryl ethers.

HAHN, Roger Carl. Synthesis and kinetics of hydrolysis of homologous meta- and para-cycloalkylphenyldimethyl carbinal chlorides.

HANESSIAN, Stephen. Deoxy and branched-chain sugars.

HELLING, John Frederic. The chemistry of some new functional derivatives of ferrocene.

KANE, James Joseph. Kinetics of basic hydrolysis of a homologous series of substituted lactams.

MITCHELL, Michael James. Studies in benzocyclobutene chemistry: Diels-Alder adducts of benzocyclobutadiene and 1-mono- and 1,2-di-substituted benzocyclobutenes.

RAMACHANDRAN, Sambasiva. Synthesis of intermediates for steroid elaboration.

SHANK, Raymond S. Reactions of gem-dihalides with metals.

SLATER, Carl David. The effect of substituents in the rearrangement of allyl m-X-phenyl ethers.

WALTON, Theodore Ross. The pyrolysis of fluorinated compounds.

WHITELEY, Thomas Edward. Deoxy sugars; "5-deoxy-D-glucose."

The University of Oklahoma

NEPARKO, Edward. Activities and activity coefficients of organic binary mixtures.

Oklahoma State University

HOLMER, Donald Albert. A study of the mechanism of interfacial polyamidation and polyesterification.

University of Oregon

MACGOWAN, Bruce I. Nucleophilic addition to olefins.

REED, David Dean. Studies in adsorption chromatography.

Oregon State University

HOLMES, George William. The chemical composition of the extractives from the newly formed inner bark of Douglas Fir, *Pseudotsuga menziesii* (Mirb.) Franco.

JONES, Dallas Eugene. The catabolism of gluconate in *Escherichia coli*.

NITIDANDHAPRABHAS, Ovar. Syntheses of some 1:8 naphthyridines.

University of Pennsylvania

BECK, Mae L. Sulfur analogs of S-aminolevulinic acid.

CESCON, Lawrence Anthony. The syntheses and properties of some benzimidazolyl amino acids.

CHANG, Eugene Yue-Chieh. N. N-divinyl-aniline and its polymerization.

CHRISTY, Marcia Elizabeth. The synthesis and reactions of derivatives of thietane and thiene.

GRIMALDI, Anthony Michael. Synthesis of benzimidazolylmethyl analogs of vitamin B₁ and benzimidazolylmethyl derivatives of ethyl 4-amino salicylate.

KRAMER, Morton. The syntheses and geometry of 2-halo-3-alkyl- and arylcyclopentanones.

MILLER, Richard Allen. I. The preparation of 3,4-dichloro-ol-cumyl-alcohol from a mixture containing 3, 4-dichlorocumene and 2,3-dichlorocumene. II. Aluminum catalysts for polymerization of ethylene oxide.

ROSENFELD, Daniel David. Intermediates in the synthesis of reserpine.

SNYDER, II, William Henry. A study on the mechanism of the base initiated polymerization of propylene oxide. The base catalyzed rearrangement of allyl to propenyl ethers.

VITTIMBERGA, Jacqueline Someroski. Substituted s-trithianes.

The Pennsylvania State University

BAUGHMAN, Glenn Laverne. Kinetics and mechanisms for the elimination reactions of β -haloalkylsilanes.

CHANG, Yi-Han. The chemistry of pyrene.

FOX, William Burke. Reactions of diboron tetrachloride with organic compounds.

HOYLAND, James Ralph. Charge distribution in carbonium ions and carbanions and the ionization potentials and electron affinities of conjugated hydrocarbons.

LEPAGE, Marius. Isolation, purification and physical characterization 6-sulfo- α -D-quinovopyranosyl-(1 \rightarrow 1')-D-glycerol.

MONIZ, William Bettencourt. The proton nuclear magnetic resonance spectra of cyclohexane, *cis*- and *trans*-decalin, *cis*- and *trans*-hydrindan, and *cis*-bicyclo (3.3.0) octane.

MUMMA, Ralph Orris. The nuclear magnetic resonance studies of some natural products.

PETERSON, Henry John. A kinetic study of the interconversion of monoaryl and monoaryl olefins.

REIFF, Louis Paul. Studies in the structural determination.

REINHARD, Russell Ralph. The synthesis of n-tetranonacontane.

ROSENSTOCK, Paul Daniel. A. The triterpenes of *Heliabravoa chende*. B. The synthesis and properties of some α , β -unsaturated valerolactams.

SACHER, Edward. Studies in the theory of acidity functions.

STARER, Ira H. The reactions of alkoxide ions with haloforms.

ZIEGER, Herman Ernst. The syntheses of isomeric alkylperylene and the perylene monocarboxylic acids.

University of Pittsburgh

SUCHANEC, Richard Robert. The direct microdetermination of oxygen in organic compounds.

Princeton University

KLEINFELTER, Donald Clifford. Investigations of some aryl norbornyl derivatives and their respective carbonium ions.[†]

LOEFFLER, Larry James. Part I: A reinvestigation of the action of formaldehyde on some 1,2- and 1,3- hydroxyamines in the pyrrolidine and piperidine series. Part II: Some approaches toward a stereospecific synthesis of lycorane.

MORBEY, Graham Kenneth. A multivariable study of mixed polymer spinning.

ZOLTEWICZ, John Andrew. A study of 1-3 exo-annular rearrangements of heteroatoms in six-membered rings: new routes to pyrimidines.

Purdue University

BANK, Shelton. I. An improved gas-liquid calorimeter and a comparison with previous models. II. Buttressing effect in 2-methyl-3-t-butyl-pyridine and 2, 6-Dimethyl-3-t-butylpyridine.

BATTERSHELL, Robert Dean. Studies of certain fluorine-containing alkyl bromides.

BERNHEIMER, Ralph. Rates of reaction of cyclopropyl and phenyl substituted ketones with sodium borohydride-ketone reactivity as a model for carbonium ion stability.

LINDY, Lowell Berga. Sulfone derivatives of cyclopropane and cyclobutane.

RESCONICH, Samuel. Condensation reactions of fluorinated compounds.

RICH, Austin Julius. Studies directed toward a determination of the absolute configuration of an optically active diphenyl.

Rensselaer Polytechnic Institute

BRODASKY, Thomas F. The free radical nature of some reactions of aralkyllithium compounds.

PAGE, Donald F. The synthesis of a series of 3-halo-4-dialkylaminoalkoxy-5-alkoxyanilines.

PANETTA, Charles A. Indan analogs of diethylstilbestrol and hexestrol.

The University of Rochester

BROWNLEE, Thomas Harland. Elimination reactions in the cyclohexyl and cyclopentyl series.

CREMER, Sheldon E. Part One: Synthetic studies in the fumagillin series. Part Two: An attempted synthesis of N-acetylcolchicol methyl ether.

GRIFFIN, JR., Rodger Wentworth. Syntheses and spectra of (2,2)metacyclopphanes.

KAEMPFEN, Henry X. The attempted synthesis of cycl [3,3,3] azine.

KNOWLES, Richard Norris. Model studies of the calabash curare alkaloids.

KOFRON, William Gerald. Synthetic studies of the erythrina alkaloids.

ROSOWSKY, Andre. The chemistry of bicyclic oxetanes and spiroepoxides.

SCHARRER, Roland Pierre Franz. Part One—Degradative and synthetic studies on amine oxides. Part Two—Decomposition studies on S-aryl alkylthiocarbamates.

WARRICK, JR., Percy. The migration aptitude of benzyl in the 2,2-dimethyl-3-phenylpropyl system.

WENZINGER, George Robert. The absolute configuration of β -erythroidine.

St. Louis University

HUFKER, JR., William John. Steric effects on the acidity, enolization and metal chelate stability of β -ketoesters.

OSZEWSKI, O.P., Sister Mary Ann Joachim. A kinetic study of the acid-catalyzed dehydration of some m- and p-substituted tetraphenylethanol.

University of South Carolina

PARHAM, Frederick Melvin. A kinetic study of the thermal decomposition of thiosulfonates.

TAYMOORIAN, Fatemeh. The free radical reactivity of some non-benzenoid aromatic hydrocarbons.

WELLS, Darthon Vernon. The thermal decomposition of bis-n-heptanoyl peroxide in mixed solvents.

Stanford University

ALTHOUSE, Victor Edward. Chemical and enzymic reductions of deuterated aldehydes.

MILLER, John Arthur. Relative rates of addition and reduction in the Grignard reaction.

STEVENSON, George William. The reaction of n-bromosuccinimide with amino acids and some related compounds.

Syracuse University

QUINN, Edwin John. Polymerization of certain anhydro sugars.

Temple University

BECKER, Irwin. The preparation of 6-(substituted-amino) purines and 6-(substituted-mercapto) purines as potential anti-cancer agents.

STROHM, Paul F. The synthesis of some 4-mono- and disubstituted-1,10-phenanthrolines.

TEITELL, Leonard. The radiolysis of aqueous solutions of phenol and of mesitol.

TOUKAN, Sameeh Said. The synthesis of some potential antitumor agents.

The University of Texas

CAVITT, Stanley Bruce. A study of the chemistry of quinone methides.

CHANG, Yun-Ge. Studies concerning the ozonolyses of certain acetylenic compounds and the peroxides obtained thereby.

EDWARDS, Robert Sammie. The conversion of 3,4-diaminopyridine and its monoacylated derivatives into 2-substituted imidazo (4, 5-c) pyridines.

FARNSWORTH, Carl Leon. Synthesis of 3-ethyl-3-methylcyclopentanone. The haloform reaction: cyclohexenyl and cyclopentenyl methyl ketones.

IJAM, Mousa Jaffar. The addition of halogens to chloroprene and isoprene.

LEONARD, Edward Oliver. Syntheses and biological activities of some purine derivatives.

LI, Tao-Ping. Gamma alkyl substituted allyl chlorides.

PARK, Gene Jack. Proof of structure of a sesquiterpene ester from *Verbesina virginica* L.

University of Toronto

SCHWARTZ, Norman Vincent. I. The reaction of benzophenone with triphenylsilyl potassium. II. The alkoxide ion catalyzed rearrangements of benzoylsilanes.

Tulane University

BROWN, Francis Earl. The synthesis and chemistry of di- and tetrahydrothiophenes.

MORGAN, JR., Lee Roy. Interconversion of benzenoid and pyridinoid ring systems.

Vanderbilt University

BOYD, Edwin Taylor. Reactions of certain Grignard reagents of sulfones and disulfones.

CARLILE, Clayton George. Aldehydes and bases in the darzens condensation.

McNULTY, Patrick John. The influence of alkyl groups on the rates of rearrangement of acetophenone oximes.

Washington University

OFTEDAHL, Marvin Loren. Reactions of carbohydrate C-nitroalditols and of carbohydrate C-nitroolefins.

Washington State University

BAGLEY, Frank Davidson. A kinetic study in the pyrolysis of 1,2-diarylethyl acetates and the effect of carboxylate asymmetry on the pyrolysis of aliphatic esters.

Wayne State University

BLATTER, Herbert Morton. 2-Alkyl keton effect, conformational isomers of 2-fluorocyclohexanones.

COKE, James Logan. I. The relative stabilities of cis- and trans-9-methyldecalin. II. Structural studies on helvolic acid.

ELLIOTT, Robert D. I. Rearrangement of a α -aminoketones. II. Mechanism of the formation of gem-dihalides from the Hofman reaction.

JONES, Edward Steven. The Hammett equation: a study in the benzocyclohexanone series.

SULKOWSKI, Theodore Sylvester. Nucleosidic peptides related to amicetin.

WHANG, Jong Jai. The addition of nitrones to olefins. Reactions of isoxazolidines.

ZALKOW, Vera Brewus. The relative stabilities of cis and trans isomers in fused ring systems. The bicyclo (5.2.0) nonanes, bicyclo (5.3.0) decanes and bicyclo (3.3.0).

Western Reserve University

WAGNER, Philip Lyle. The condensation of phosphonic dichlorides with ortho-diamines.

William Marsh Rice University

DATEO, JR., George Philip. Syntheses of mustard oil glucosides via hydroxamyl chlorides.

DIANA, Guy Dominic. Synthetic routes to atisine.

GRINSTEIN, Reuben Henry. Isotope effects in hydride transfer reactions.

MCEACHERN, JR., Douglas Marvin. The entropy and related thermodynamic properties of dimethoxymethane.

SQUIRE, David Roland. I. Formulation of a cell model using periodic boundary conditions. II. Molecular distribution functions for short range clustering.

The University of Wisconsin

ALLEN, JR., Duff Shederic. Stereochemical control of angular methylation.

BASS, Jon Dolf. Studies related to the synthesis of cyclodecapentaene systems.

BEEBE, Thomas Reed. Studies on the preparation of Δ 8,14 -diene derivatives in the bile acid and etio acid series.

BOCKSCH, Robert Donald. Studies on the synthesis of a ring C-D bicyclic intermediate for 17-carboxy.

BRENNER, Gerald Stanley. Part I. The structure of photosantonic acid and related products. Part II. Studies on the constitution of ryanodine.

CLOSSON, William Deane. Transannular effects in 5-cyclodecenyl derivatives.

DICKIE, John Peter. Studies on the chemistry of the antimycin components.

FOLTZ, Rodger Lowell. Biogenetic-type syntheses of lupin alkaloids.

JACOBSON, Robert Roy. A kinetic study of the *ortho*-Claisen rearrangement and an attempt to relate the configuration of optically active (+) or (-) α,γ -dimethylallyl phenylether to that of its rearrangement product, (+) or (-) 2-(α,γ -dimethylallyl)-phenol.

JONES, Evan Thomas. The partial synthesis of dl-8-isoestrone and synthetic approaches to veratramine.

NELSON, Frederic Freeman. A study of the rates and products of solvolysis and *endo*- and *exo*-bicyclo(3.2.0)hept-6-yl and *endo*- and *exo*-bicyclo(3.2.0)hept-2-ene-6-yl *p*-toluenesulfonate.

PATTON, James Winton. The hydrolysis of cyanopyridinium ions.

PLACEWAY, Carlton. The total synthesis of dl-ajmalicine.

POMBO, Melvin Martin. Solvolysis and rearrangement of oxygen-18 labeled trans- α,γ -dimethylallyl *p*-nitrobenzoate.

RUSSO, Emanuel Joseph. Kinetics of hydrolysis of phosphonate esters.

SELIN, Terry G. Stereochemistry of trichlorosilane additions to olefins.

SORENSEN, Theodore S. The synthesis of 1,4-dihydropyridines and the attempted synthesis of 1,2-dihydropyridines.

WHALEY, Howard Arnold. The constitution of streptolins.

WHITLOCK, JR., Howard W. Approaches to the synthesis of the alkaloid veratramine.

WIENER, Charles. Chemical investigations of some coumarin compounds. I: The synthesis of various 3-substituted-4-alkylcoumarins. II: The characterization of the product obtained by the treatment of warfarin with hydrazoic acid (Schmidt reaction) and the synthesis of the isomeric amide. III: Location of the site of the nitrogen atoms in products obtained *via* the reaction of ammonium acetate with 3-acyl-4-hydroxycoumarins.

WINICOV, Herbert. Isolation studies on *Rauwolfia heterophylla* and a study on the synthesis of cyclodecapentaene.

WOLKOFF, Hal N. The bifunctional catalyzed hydrolysis of chloramphenicol.

ZINKEL, Duane Forst. Chemistry of the 4-hydroxycoumarins. I. Preparation of optically active B-anilinobenzylacetone. II. Absolute configuration of B-anilinobenzylacetone. III. Determination of the pK 's of B-anilinobenzylacetone and various 3-substituted-4-hydroxycoumarins by an ultraviolet spectrophotometric method.

PHARMACEUTICAL

University of California, Berkeley

HOLDEN, Kenneth George. I. Alkaloids of *Balfourodendron riedelianum*. II. The synthesis of prodigiosin.

HUTCHISON, Robert Bolen. Degradation studies concerning certain structural features of herqueinone.

PATEL, Appasaheb Raojibhai. The synthesis of 1,3-dioxolene derivatives.

University of California, San Francisco Medical Center

ELISON, Christian. Some aspects of the fate and relationship of the N-methyl group of morphine to its pharmacological activity.

PATEL, Appasaheb Raojibhai. The synthesis of 1,3-dioxolene derivatives. (Also listed under *U. of California, Berkeley*.)

VIRUPAKSHA, Tumkur Kambdur. Studies on insulin modified by reaction with N-acetyl-DL-homocysteine thiolactone.

University of Colorado

CATES, JR., Lindley Addison. Synthesis of some organophosphorus acids, esters and amides.

The University of Florida

STAUM, Muni M. The deamination and rearrangement of *Erythro*-1-amino-1-phenyl-2-*o*-tolyl-2-propanol.

University of Illinois, Chicago Professional Colleges

KLEE, Florence Christine. Synthesis and biological activities of thiophosphoric acid derivatives of ethylamine and certain amino acids.

University of Kansas

BRANNON, JR., James L. Synthesis of potential anticancer agents: analogs of hexestrol and thymine.

University of Maryland

TAMORRIA, Christopher Richard. Syntheses of heterocyclic steroids of medicinal interest.

University of Michigan

ALPERN, Eugene Walter. Derivatives of pyrido [2,3-*d*] pyridazine.

BROWN, Bruce Allen. The interaction of an Ivanov and an Ivanov-like reagent with γ -butyrolactone and γ -valerolactone.

KASBO, Loyd George. The use of certain ketonic compounds in the Mannich reaction.

LEE, Cheuk-Man. Derivatives of 7-methyl-6-thia-1, 6-dihydro- and 7-methyl-6-thia-1,2,3,6-tetrahydropurine-6,6-dioxide.

SHETH, Bhogilal Bhagwandas. Rheology of pharmaceutical emulsions.

SKIEST, Eugene Norman. Derivatives of azabicyclooctanes and azabicyclodecane prepared from Mannich bases.

STENSETH, Raymond Eugene. The preparation of 2-ketopolymethylenimines.

ZOGRAFI, George. Adsorption of certified dyes by starch.

University of Minnesota

WILLETTE, Robert Edmond. Structural studies of certain pharmacologically active coumarins isolated from *Umbelliferae*.

The University of North Carolina

CHENG, Shu-Sing. The chemistry and antimicrobial activities of amino ketones.

FEDORCHUK, Metro. The synthesis of some gamma-substituted alpha-amino gamma-lactones.

Oregon State University

KNOTT, Robert Peter. A phytochemical analysis of *Galium triflorum*.

Philadelphia College of Pharmacy and Science

SHULTZ, Walter. The synthesis of some new derivatives of 2- and 3-hydroxyphenothiazine.

The University of Wisconsin

BARNSTEIN, Charles Hansen. Evaluation of amides ethers and related compounds as weak bases in acetic acid.

BERGEN, John Vanderveer. A new approach to polyfunctional amino acids.

MUREN, James Francis. Synthetic approaches to royal jelly acid and analogs.

PORTOGHESE, Philip Salvatore. Podophylum components: synthetic approaches.

QUINTANA, Ronald Preston. Part I: Attempts to isolate the resistance factors of certain *Solanum* species. Part II: A study of the identity and possible hydrolytic rearrangement of certain esters of N-ethyl-3-hydroxypiperidine and N-ethyl-2-hydroxymethylpyrrolidine.

VAIDYA, Madhukar Gopal. Derivatives of 2-quinoline acrylic acid as potential anti-infective agents.

PHYSICAL

The University of Akron

GATES, Raymond D. Sol-degradation studies of polymeric networks.

KELLEY, Frank Nicholas. The effect of molecular mobility on selected physical properties of polymers.

PURDON, JR., James Ralph. Electrical resistivity of polymer solutions.

SAMUELS, Robert Joel. Recombination reactions during degradation of elastic networks.

SHINE, Daniel Phillip. Synthesis of polyethers and polysiloxanes.

University of Alabama

TAYLOR, JR., Arthur Rivers. Thermodynamic properties of strontium bromide and strontium nitrate.

University of Arizona

GREENBERG, Stanley Arthur. The photolysis of biacetyl solutions.

University of Arkansas

GOLDENBERG, Neal. A study of the dielectric constant, temperature, viscosity, and concentration of the equivalent conductance of electrolytes: A. Perchloric acid in the water-ethanol system; B. Perchloric acid in the ethanol-methanol water system.

Boston University

YANNONI, Nicholas Francis. On the crystallography of a higher boride of aluminum; the crystal structure of hexagonal potassium 12-tungstocobaltate; an absorption correction for the Buerger precession camera.

University of British Columbia

SIDDIQUI, Rafiq Ahmad. Studies relating to the structures of ionic surfaces.

Polytechnic Institute of Brooklyn

ELLERSTEIN, Stuart M. The adsorption of poly-(methylmethacrylate) from solution on to solid surfaces.

FREDERICK, Michael. Potentiometric and viscometric titrations of polyacrylic and polymethacrylic acids with alkali metal and ammonium bases.

GLATZ, Alfred. Preparation and characterization of multilayer membrane electrodes.

GOODMAN, Jerome. The radiation chemistry of styrene and polystyrene.

LIPSIG, Joseph. Studies with fast atomic beams of helium.

MANDEL, Gerald. Transport processes in liquids.

SAID, Abdel Salam. The lattice gas and the cell-vacancy theory of liquids.

SCHATZ, Elihu Alan. The photogalvanic effect of dye-reducing agent solutions.

SHILMAN, Avner. The flash photolysis of acetone.

WIEDER, Grace Marilyn. Unimolecular reaction rate theory and applications.

Bryn Mawr College

LUTZ, Charles William. Phase transformations and absorption spectra in the system $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$ - $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$.

ZIMMERMAN, Un-Jin Paik. The kinetics of bromination of fluorene.

The University of Buffalo

LAPIDUS, Gabriel. Kinetics of ligand and deuterium exchange reactions of some carbonato-amine cobalt (III) complex ions.

PLATEK, Walter A. Ion-exchange in concentrated electrolyte solutions.

SWARD, JR., Edward Lawrence. Some substitution and exchange reactions of dichlorobis-(ethylenediamine)-cobalt (III) ion in methanol.

University of California, Berkeley

AXE, JR., John Donald. The electronic structure of octahedrally coordinated protactinium (IV).

BASS, Charles David. Photolytic processes in solids.

BLUKIS, Uldis. The microwave spectra and structure of dimethyl ether.

CHAN, Sunney Cheong-Him Ignatius. The nature of the ring puckering vibration and its effects on the microwave and far-infrared spectra of trimethylene oxide.

EWING, George Edward. Spectroscopic studies of substances at low temperatures.

FINHOLT, James Edgar. Chemistry of some hydrolyzed Cr III polymers.

FINNIE, Lies Nijssen. The thermodynamic stabilities and structures of some refractory silicides.

HALLER, Ivan. Matrix isolation studies using far ultraviolet photolysis and the structure of some unstable molecules.

JOHNSON, Charles Augustus. Vacancy clusters in alkali halide crystals.

JOHNSON, Quintin Calvin. Some problems of crystallography.

KORNEGAY, Wade Melvin. Chemical kinetics of the thermal ionization of xenon.

LEHRER, Sherwin Samuel. Nuclear quadrupole resonance studies of some nitrogen and some boron compounds.

MEYER, Richard Thomas. Free radical microwave spectroscopy: I. The dipole moment and kinetics of the hydroxyl radical. II. An apparatus for continuous ultraviolet photolysis.

MONTGOMERY, Peter Williams. Phase relationships and sintering properties of materials at high pressures.

MULLEN, Robert Terrence. The chemical interaction of accelerated carbon-14 ions with benzene.

ORTTUNG, William Herbert. Thermal properties of solid hydrogen under pressure.

SCHOOLEY, James Frederick. Some low-temperature nuclear orientation studies.

TSCHUIKOW-ROUX, Eugene. Chemical kinetic isotope effect at high temperatures produced in a shock tube.

ZIETZ, Milton Charles. A mass spectrometric investigation of sulphur vapor as a function of temperature.

University of California, Davis

JOSEPHSON, Roy Richard. Kinetic investigation of aromatic bromination.

University of California, Los Angeles

COE, Elmon Lee. Phosphorylation balance between respiration and glycolysis and the initiation of the crabtree effect in Ehrlich Ascites carcinoma cells.

HALL, Michael O. The isolation and characterization of phospholipids containing monomethylethanolamine and dimethylethanolamine from *Neurospora crassa*.

California Institute of Technology

ALBERT, Norman Edward. Infrared absorption associated with strong hydrogen bonds.

BERGER, Stuart Brooke. I. Rates of paramagnetic pulse reactions by nuclear magnetic resonance. II. The electron paramagnetic resonance spectrum of gas phase $^{14}\text{N}^{16}\text{O}_2$ and its pressure dependence.

GIULIANO, Concetto Richard. I. Carbon-thirteen interactions in the electron resonance of oriented organic radicals. II. Rate of electron transfer between vanadium (V) and vanadium (IV) by nuclear resonance.

HEARST, John Eugene. Ultracentrifuge studies on deoxyribonucleic acid and tobacco mosaic virus.

HYBL, Albert. I. The crystal structures of mono- and the two dimethylureas. II. The determination and use of crystallographic parameters.

Carnegie Institute of Technology

DOEPKER, Richard DuMont. The photolysis of ketones in a fluorinated solvent.

Case Institute of Technology

GYMER, Roger George. Strain potential of a metal electrode in a dielectric liquid.

TY, Leoncio Ng. Structural variables affecting electrical properties in epoxy adhesives on steel.

University of Cincinnati

KUMARAN, P. S. Sampath. A study of the factors affecting adhesion of epoxy resin to metallic surface.

LEE, Ying Kao. The kinetics and mechanism of the reaction of bix-organomercury compounds with mercuric salts.

VENKATASETTY, H. V. Properties of some 1-1 electrolytes in n-butanol.

YUN, Kwang-Sik. Theoretical study of light scattering in the mesomorphic state.

Clark University

BETHUNE, John Lemuel. Countercurrent distribution of chemically reacting systems.

MATSUO, Taku. Formation of the nuclear isomers of scandium-44 and cobalt-58 by the (α, n) reaction.

McMASTER, Paul Driscoll. Purification of ragweed pollen constituents.

University of Colorado

JORDAN, Donald Earl. Part I: Equilibrium constants of cadmium, lead, and uranyl ions in reaction with dowex 50 resin cation exchanger. Part II: Measurement of activity coefficient ratios for the cell reactions Hg-Cd activity coefficient ratios for the cell reactions Hg-Cd | Cd(ClO₄)₂ — HClO₄ | Glass and Hg-Pb | Pb(ClO₄)₂ — HClO₄ | Glass.

RODGERS, Alan Shortridge. Reactions of chlorotrifluoroethylene with oxygen and/or chlorine in a flow system.

SALZMAN, John Daniel. Part I. Fluorocarbon flames. Part II. Dissolution of uranium in nitric acid.

Columbia University

MONTAGNE, Jean Bernard. Structure and influence of interphases at the air-water and oil-water interfaces.

NANIS, Leonard. Electrode kinetics in the system silver-molten silver nitrate.

RAUSCHER, Herbert E. The chemical effects of neutron capture in *cis*- and *trans*-dichlorobis-(ethylenediamine)-cobalt(III) nitrate.

Cornell University

SCHAPIRO, Philip Joseph. The crystal structure of dimethylaminoborane dimer.

TSANG, Wing. The pyrolysis of cyanogen and ethylene in shock tubes.

WOOD, Robert W. An electron spin resonance study of aromatic hydrocarbon negative ions.

University of Delaware

MAGEE, JR. John Storey. The kinetics of the decomposition of potassium tetraoxoferrate (VI) in aqueous solution.

Emory University

REDDY, Gade Subbarami. Proton magnetic resonance in substituted ethylenes.

The University of Florida

BAKER, Charles Edward. The scattering of hydride and hydroxyl ions in oxygen.

BISHOP, William Newberry. The interaction of tritons with matter.

KNAPP, Kenneth Trim. A study of the hydrogen stretching region in the infrared.

NEIKAM, William Charles. Properties of polar molecules absorbed on metal oxides.

The Florida State University

EL-BAYOUMI, Mohamed Ashraf. Exciton theory: application to H-bonded complexes.

JUMPER, Charles Frederick. A study of hydrogen bonding by dielectric methods and by nuclear magnetic resonance.

STRICKLER, Stewart Jeffery. Spectra and structure of the nitrate and nitrite ions.

Fordham University

HEROLD, Lucia P. Studies on the phosphorescence of polystyrene.

MORRISSEY, Ronald J. The reaction of ozone with propane and ethane.

University of Illinois

ADAMS, John Quincy. Observations on the molecular effusion of cesium chloride.

CHAN, Mou Shu. Anodic behavior of gold. I. Surface oxidation. II. Monolayer adsorption of palmitic acid.

CHENG, Cheng-Yin. Diffusion of cations in various soil systems.

GREGG, David Walsh. The effect of pressure on decay rates of organic phosphors.

MCMAHON, Paul Edward. Nuclear magnetic resonance studies of conformational equilibria in substituted ethanes.

PORTER, Richard Needham. Gas phase exchange reactions of homopolar molecules.

SCHUG, John Charles. Applications of valence bond theory to problems in magnetic resonance.

STEPHENS, Douglas Robert. The effect of pressure on ligand field spectra.

WILKINSON, Guy Ernest. The temperature effect on the equilibrium energy status of water held by porous media.

Indiana University

BADER, Morris. A new recoil momentum technique for the study of mechanism of vaporization at high temperature.

DAVIDSON, Ernest R. The first excited $1\Sigma_g^+$ state of the hydrogen molecule.

KRAMER, Henry Hermann. Spectral measurement of millisecond kinetic processes with 0.1 CM⁻¹ resolution.

PULIDO, Agustin Aguilar. Molecular light scattering by gases.

ROWELL, Robert Lee. The angular variation of the intensity of light scattered by single aerosol particles.

State University of Iowa

ANDERSON, George Robert. Infrared reflection study in molecular crystals.

SWENSEN, Richard David. Excess viscosity in binary liquid mixtures.

Iowa State University of Science and Technology

CHURCHILL, Donald. Investigation of absorption spectra of adsorbed films on metals by means of a polarization spectrometer.

EFFENBERGER, John Albert. Reactions of iodine and iodide ions in the presence and absence of polysaccharides.

FENSKE, Richard Ferdinand. Energy levels of platinum (II) complexes on the basis of ligand field theory.

FOSTER, Melvin Smith. Photoproduction of beryllium-7.

GARFINKEL, Harmon Mark. Complex ions in fused salts.

GERSTEIN, Bernard Clemence. Heat capacity and magnetic susceptibility of thulium ethyl sulfate.

HERSHAFT, Alexander. The crystal structure of bismuth monochloride.

MACKEY, John Linn. A study of the rare earth chelate stability constants of some aminopolyacetic acids.

REISHUS, John William. Aquation and isotopic exchange of the chloride ligands of the *cis*-dichlorodiammineplatinum (II) complex.

SAEGER, Victor William. Some physical properties of rare-earth chlorides in aqueous solution.

SANDERS, Charles Irvine. Exchange of H₂O ligand of trichloroaquoplatinate (II) with solvent.

WOLF, Edward Dean. Ion mobilities in fused salts.

The Johns Hopkins University

DEL GRECO, Francis Peter. Infrared and raman spectral study of nitrate solutions in liquid hydrogen fluoride.

LEHRER, Robert. The reaction of accelerated positive bromine ions with organic materials.

MCCARTY, JR., Maclyn. Electronic spectra of diatomic and triatomic molecular fragments trapped in inert solids at 4.2° K.

PERKINS, William Clopton. Behavior of N¹³ in alcohol systems.

PHILLIPS, Mary Jane. The use of iron as a catalyst for the hydrogenation of benzene and of olefins.

ROUSSEAU, Raymond Alfred. Thermodynamics of liquids.

VAN HOOK, William Alexander. An investigation, using carbon 14 tracers, of some parts of the catalytic cracking reaction of n-hexadecane over an acidic aluminosilicate catalyst.

University of Kansas

DARLINGTON, William Bruce. Conductance studies in the tetrahydrofuran-water system at 25°.

MOHILNER, David Morris. Studies in electrochemistry. Part I. Investigation of the kinetics and mechanism of the anodic oxidation of aniline in aqueous sulfuric acid solution at a platinum electrode. Part II. An instrument for carrying out a variety of electrochemical measurements. Part III. Electropolished platinum and gold microelectrodes.

Kansas State University

CANTRELL, Joseph Sires. X-ray molecular structure characterization of histamine- and imadazole-iodine complexes.

DEVLIN, Joseph Paul. A study of the vibrations in nitrogen oxides.

Lehigh University

KUO, Charles Chang-Yun. Kinetics of reactions at air-aqueous solution interface.

Louisiana State University

BROWNING, JR., Horace Lawrence. Solvent effects on the intensity of charge transfer spectra.

WEIS, Carl Herrmann. Faradaic rectification and electrode processes.

University of Louisville

LIPSCOMB, Nathan Thorton. Kinetics of the radiation induced polymerization of styrene and ethylene.

University of Maryland

KUCHTA, August Dennis. The kinetics of the alkaline hydrolysis of diethyl malonate, diethyl succinate, and diethyl sebacate in water-dioxane mixtures.

MCCARTY, Kenneth Peter. The Kirkendall effect in gaseous diffusion.

READ, Shirley Moore. Thermodynamic properties of the zinc-indium-gallium ternary system.

Massachusetts Institute of Technology

BEATTY, JR., James Wayne. Gaseous diffusion of hydrogen isotopes.

BOWEN, Lawrence Hoffman. Excitation functions of (d,p) and d,t) nuclear reactions.

CHANDROSS, Ronald Jay. X-ray and neutron diffraction study of the magnetic properties of the alloy VFe.

ISAACS, Leslie László. Low temperature specific heat of a linear polymer.

LAFFERTY, Walter Joseph. Vibrational spectra of trimethylene oxide and trimethylene oxide-d₆.

LOEHLIN, James Herbert. Study of the phase behavior of solid hydrogen selenide.

LONGMIRE, Martin Shelling. Scattering of high velocity helium atoms by methane and its fluorine derivatives.

MCDOWELL, Robin Scott. Hydrogen bonding in tertiary amine hydrohalides.

MOSKOWITZ, Jules Warren. Collision-induced transitions among the fine structure components of an atomic term.

RICE, Dale Wilson. Polymerization of styrene with phenyllithium.

WASHWELL, Edward Richard. Electron and hole parameters in bismuth-alloy films.

McGill University

ALLAN, Ronald Stuart. Coalescence of drops in gravitational, electric and shear fields.

DROUIN, J. Robert S. Study of radionuclides decaying by orbital electron capture.

GOLDSMITH, Harry Leonard. The micro-rheology of suspensions.

SEPALL, Ola Kaarlo Johan. Hydrogen exchange between cellulose and water.

UNG, Alban You-Ming. The reaction of oxygen atoms with carbon tetrachloride.

University of Michigan

AMSTER, Robert Lewis. A spectroscopic study of complexes of boron trihalides with ammonia and trimethylamine.

HALLADA, Calvin James. The conductance of some high valence type electrolytes.

JUSTICE, Bruce Hugo. Thermodynamic properties and electronic energy levels of eight rare earth sesquioxides.

RACK, Edward Paul. Gaseous reactions of bromine and iodine with methane and various polyhalomethanes activated by the (n,γ) process.

REIMANN, Curt William. A new method for the determination of accommodation coefficients.

STENGLE, Thomas Richard. The raman spectra of the 1,1,1-trihaloethanes.

University of Minnesota

EMERSON, Kenneth. Preparation and structure of group V tricyanides.

GOLDEN, David Mark. The measurement of absolute raman intensities.

O'TOOLE, James Thomas. The role of internal motions in the kinetic theory of gases.

REDDY, Thomas Bradley. Electrochemical and acid-base studies in dimethylsulfoxide as solvent.

University of Missouri

GODBEY, William Givens. Molecular structural studies on casein.

HARRAH, Larry Allen. Rotational isomerism of unbranched 1-alkenes by infrared spectra.

JOHNSON, James Winston. A study of the dissolution of hafnium in hydrofluoric acid.

The University of Nebraska

GEISLER, Charles Hoover. A kinetic study of the acid catalyzed hydrolysis of the dipotassium salt of diazomalonic acid.

University of New Hampshire

LAMPREY, Philip Shepard. The radiation induced exchange of carbon between ethane and methyl amine.

OBEAR, Frederick Woods. Coordination chemistry of piperazine and piperazine derivatives.

RICCI, Robert William. A kinetic study of the gas phase reactions between nitrogen pentoxide and some reducing agents.

The University of New Mexico

WHAN, Ruth Elaine. Spectroscopic studies of the luminescences of rare earth chelates.

Northwestern University

ANDERSON, Mary Margaret. The application of nuclear magnetic resonance to the determination of solvation properties of specific solvents toward paramagnetic metal ions.

CUSACHS, Louis Chopin. A generalized semi-empirical potential energy function for covalent diatomic molecules.

DEN BESTEN, Ivan Eugene. Chemisorption and the magnetization of supported nickel catalysts.

GRAY, JR., Harry Barkus. A kinetic study of substitution and exchange reactions of square planar metal complexes.

HAMMAKER, Robert Michael. A spectroscopic investigation of the hydrogen bond: alcohols in an inert solvent.

KELLOGG, Reid Evans. Extension of the local-energy method to the hydrogen molecule and the helium molecule-ion.

The Ohio State University

BOWMAN, JR., George Price. Decontamination of some selected rare earth isotopes and the gamma radiations of hafnium-172 and -173.

BRADLEY, Francis Joseph. Study of the radiations from hafnium-172, neodymium-144, dysprosium-156, and erbium-162.

GOLDSTEIN, Harold William. The vaporization of lanthanum oxide (La_2O_3) and neodymium oxide (Nd_2O_3) at elevated temperatures.

MERRYMAN, Earl Lewis. The isotopic exchange reaction between Mn^{++} and MO^- .

PETERSON, Jack Kenneth. A light scattering investigation of the effects of a series of cations on the solution properties of potassium polymetaphosphate.

University of Oregon

POOLE, Donald Ray. Kinetics of the reaction of ammonia and nitric oxide in the region of ignition.

VREELAND, Robert Welch. The thermal decomposition of cyclobutane.

WHATLEY, Thomas A. The thermal decomposition of azoisopropane.

Oregon State University

JOHNSON, Wilbur Vance. Calculation of Z-center energy levels.

MC DONALD, Ray Locke. The kinetics of the sulfur (IV)-sulfur (VI) isotopic exchange reaction in aqueous and concentrated acid solutions.

OKAMOTO, Fumio. Formation and optical bleaching of color centers in X-rayed potassium chloride crystals.

WOODMANSEE, Wayne Earl. A variable frequency spectrophone study of carbon monoxide.

University of Pennsylvania

FORSMAN, William Comstock. The statistical thermodynamics of polymer adsorption.

RICHARDS, John Russell. The crystalline structure of poly (ethylene oxide) and the characterization of isotactic poly (epichlorohydrin).

SWAIN, JR., Howard Aldred. The chelation of peracids: a calorimetric study of aliphatic peracids and peresters.

Von FRANKENBERG, Carl Alexander. On the dimensions of linear polymers.

The Pennsylvania State University

BARR, John Baldwin. The thermal decomposition and hydrogenation of diboron tetrachloride and diboron tetrafluoride.

BIGGART, II, Waddell Alexander. A study of the oxidation of thiocyanate by acidic nitrite and nitrate solutions.

BRINEN, Jacob S. Sequence and spacing of $n-\pi^*$ transitions in s-triazine.

FISHER, JR., Robert Amos. Adsorption properties of hydrogen and oxygen on platinum black and carbon supported platinum from 20 to 300 degrees Kelvin.

KIDO, Hidehiko. Heats of formation of coordination compounds.

LOVE, Peter. Inductive and isotope effects in gas phase Lewis acid-base equilibria.

MARIA, Hanna Judeh. An adiabatic demagnetization study of palladium and palladium hydride.

McKINSTRY, Herbert Alden. Thermal expansion of certain alkali halides and their solid solutions.

MUSOLF, Martin Charles. Some mechanism studies of nucleophilic substitutions at silicon.

ROSS, Marvin. Adsorption of helium on a prepared surface between 4.2°K. and 20°K.

SAINES, George S. The acid-catalyzed hydride transfer reaction.

STEIN, Marvin Neal. Effects of irradiation and thermal treatment on the dielectric dispersions in nylon.

WALTER, Louis Simon. Pressure-temperature univariant equilibria of some reactions in the system, $\text{CaO-MgO-SiO}_2\text{-CO}_2$.

Princeton University

GRUBB, Eugene Leander. Dielectric relaxation and intramolecular rotation in some non-rigid aromatic compounds.

Purdue University

ATWOOD, Donald Keith. A study of ruthenium (III) and ruthenium (IV) species in aqueous solution.

CRISS, Cecil M. Thermodynamic properties of high temperature aqueous solutions.

KONGPRICHA, Santad. Studies in the hydrogen fluoride solvent.

MERCER, Edward Everett. 1. A highly sensitive microcalorimeter. 2. The heat of formation of U^{+4} (aq)

ROSENBERG, Arnold Morry. Allylic carbonium ion intermediates and their products.

Rensselaer Polytechnic Institute

FINKELSTEIN, Alfred P. Flow properties of lithium stearate-oil model greases.

FISCHER, William H. Yield stresses and flow properties of carboxypolymethylene-water system.

HTOO, Maung Shwe. Electrical conductivity of solid organic compounds.

JAMES, David W. Ionic interactions in fused salts.

LUDLUM, Kenneth H. The oxidation of tetraborane.

MACHIN, William D. Adsorbed monolayers of polar and non-polar molecules on a graphitized carbon black.

MARCINKOWSKY, Arthur E. Inorganic electrolytes in anhydrous acetonitrile.

MC INTYRE, James D. E. Molten salts. The structure and constitution of the molten mercuric halides.

RITZMAN, Robert L. The solvent extraction and chemical behavior of tantalum.

SANDVIK, Erik I. The oxidation of syn-diethyldiborane.

SCHRIER, Eugene E. Activities and vapor phase constitution in the molten salt system KCl-MgCl_2 .

STRATTA, Julius J. The perfluoroacetonitrile ethylene addition reaction.

The University of Rochester

HAUSER, William Paul. The isomerization of cyclobutene.

LA PAGLIA, Salvatore Russell. Vacuum ultraviolet absorption spectra and electronic structure of NF_3 and some molecules containing the carbonyl group.

ROQUITTE, Bimal Chorone. The thermal decompositions of cyclobutane carboxaldehyde and ethyl cyclobutyl ketone.

University of Southern California

SHARMA, Brahma Datta. The crystal and molecular structural studies of various inorganic compounds with unusual element-to-element bonding.

Stanford University

HOLLIS, Donald Pierce. Part I: Studies of chemisorption by magneto-absorption; Part II: Structural studies on several nitrogen compounds by N^{14} NMR.

Temple University

PESSEN, Helmut. An equilibrium dialysis study of complex formation between carboxypeptidase A and some amino acids.

The University of Texas

BROWN, William Anderson. Frequency dependence of the proton relaxation times in aqueous solutions of chromium (III) complexes.

CHANG, Yi. Intensities of infrared bands of some I_2 -alkylbenzene charge-transfer complexes.

EVERY, Richard Los. Adsorption of water, methanol, and n-hexane on silica, alumina and titania.

JOHNSON, Grover Leon. An electron microscope study of carbon formation in hydrocarbon pyrolysis.

University of Toronto

MARCH, Raymond Evans. Pulse photolysis of acetone.

MCCOWAN, James Duncan. The dielectric constants at microwave frequencies of the system ethyl chloride-vycor glass.

SADOWSKI, Chester Michael. Reactions in the gas phase system, sodium plus atomic and molecular hydrogen.

Vanderbilt University

GIDDINGS, JR., Lorrain Eugene. The near ultraviolet absorption spectra of formyl fluoride and deuterioformyl fluoride.

GINTER, Marshall Lloyd. Part I. The visible spectrum of the gallium monohydride molecule. Part II. An evaluation of the coriolis interaction in asymmetric top molecules.

TINCHER, Wayne Coleman. Rivotronic analysis of the near ultraviolet absorption spectrum of 1,2-diazine.

University of Virginia

SHULL, Don Louis. Absolute infrared intensities of the borohydride ion in solid solutions.

Washington University

GUZZO, Anthony Victor. Paramagnetic resonance in the hexafluoro chromate III ion.

Wayne State University

BUMP, Donald D. Investigations of the equivalent circuit of an electrochemical cell carrying an alternating current.

CORTESE, JR., Thomas Anthony. Studies on the metabolism of citric acid in normal and nephrectomized rats.

PAPAZIAN, Louis Arthur. Light scattering of flowing colloidal systems.

Western Reserve University

FOX, Robert Dennison. Ultrasonic polymerization of styrene.

KINACH, Eleanor. Radio frequency discharges for the excitation of emission spectra.

MEIBUHR, Stuart Gene. The electrodeposition of tin.

RAO, Konakanchi Venkatanarayana. Kinetics of the oxygen electrode.

The University of Wisconsin

BENSON, JR., Herbert L. The radiation chemistry of normal propyl chloride.

BLYTAS, George Con. Physicochemical properties of concentrated solutions of sodium thiocyanate in liquid ammonia.

DONERMEYER, Donald David. Physical chemical studies of the precipitin reaction. The interaction of bovine serum albumin and its chicken antibodies.

FLECK, George Morrison. Kinetic studies of the reaction of pyridoxal and alanine.

GLAZE, William Howard. Lithium isotope effects on the physical and chemical properties of lithium alkyls.

KONOWALOW, Daniel Dimitri. Morse potential molecular interactions.

LIVINGSTON, Peter Moshchansky. The non-equilibrium pair correlation function in the kinetic theory of moderately dense gases.

LOONEY, Ralph William. The radiation chemistry of methane.

PATEL, Surendra T. Effects of various processing treatments on sterile concentrated milk.

SECREST, Donald Hubert. On a many dimensional BWK approximation.

WENDT, Richard Paul. Studies with the Gouy diffusimeter of isothermal diffusion in the systems lactamide- H_2O and Na_2SO_4 - H_2SO_4 - H_2O at 25° .

YIN, Theodore Peng-Jung. Mechanical properties of poly-2-ethylbutyl methacrylate and polyethylene oxide.

ECONOMICS

GENERAL

The American University

MINAI, Ahmad. Economic development of Iran under the reign of Reza Shah (1926-1941).

Boston University

PERLES, Benjamin Max. Recent innovations in the woolen and worsted industry of the United States.

University of California, Los Angeles

BROUSSALIAN, Vartkes L. Unanticipated inflation: a test of the doctor-creditor hypothesis.

DE ALESSI, Louis. Uncertainty and the redistribution of wealth by inflation: an empirical test with United Kingdom material (1948-1957).

ELAC, John C. The employment of Mexican workers in U. S. agriculture, 1900-1960; a binational economic analysis.

SHARPE, William F. Portfolio analysis based on a simplified model of the relationships among securities.

Carnegie Institute of Technology

CHAMBERS, David John. Differential effects of credit restriction in periods of high activity.

CLARKSON, Geoffrey P. E. The menu anew: a simulation of trust investment.

The Catholic University of America

LEE, William James. "Right to work" laws: some economic and ethical aspects.

University of Chicago

ABLIN, Richard. Misallocation of electric power in the Pacific Northwest.

BARZEL, Yoram. Productivity in the electric power industry, 1929-1955.

BLAKLEY, Leo V. Quantitative relationships in the cotton economy with implications for economic policy.

LONG, Millard Fillmore. The price of coal: a study of the policies of the National Coal Board.

MOORE, Thomas Gale. Legal barriers to entry.

OI, Walter Yasuo. Labor as a quasi-fixed factor of production.

SAVING, Thomas R. The estimation of the optimal scale of enterprise.

SJAASTAD, Larry A. Income and migration in the United States.

Clark University

QADIR, Abdul. Take-off to self-sustained economic growth: problems and prospects of Pakistan.

University of Colorado

TRAINER, Orvel Leroy. The Scandinavian approach to the European common market.

Columbia University

AHEARN, Daniel Stephen. Aspects of Federal Reserve policy, 1951-1959: facts and controversies.

AL-QAYSI, Hameed A. An economic appraisal of Iraq petroleum concessions—a comparative study.

FRANK, Isaiah. Commercial policy aspects of the European common market.

HARVEY, Ernest Copeland. Public and private pension plans and group preferences for economic security in old age.

KANOVSKY, Eliyahu. The economy of the Israeli kibbutz, a study of kibbutz productivity and profitability and the position of the kibbutzim in the economy of Israel.

KOO, Shou-Eng. Tariff and the development of the cotton industry in China, 1842-1937.

LING, Suilin. Economics of scale in the steam-electric power industry—an analytical approach.

LIPSEY, Robert E. Price and quantity trends in the foreign trade of the United States.

SNYDER, Eleanor M. Low incomes in urban areas.

SPIRO, Alan A. Consumption, investment and the lower turning point of severe depressions.

STRONG, Jerome C. Product diversification by medium-large manufacturing companies, 1929-1954.

WOJNIOWER, Albert Martin. Changes in the quality of business loans of commercial banks.

Cornell University

FORT, Raymond Eugene. A study of the development of the American technical assistance program in Iran.

Duke University

HAN, Pyo Byung. The Lange-Patinkin controversy over the 'classical' monetary theory: a critique.

HIRSCH, Albert Albrecht. A taxonomic study of certain models of economic growth.

LEIGHTON, Richard I. A study of state trading with reference to butter trade.

MAUER, William Alan. An econometric analysis of consumers' expenditures with special reference to the expenditures for durable goods.

POLASEK, Metodey. An analysis of the United States demand for raw apparel wool, with emphasis on import demand.

SLOANE, Keith. Wage-drift in Australia.

Fletcher School of Law and Diplomacy

FROST, Charles Chamberlain. The economic development of Communist China's machine-building industry: a case study in the application of Soviet development doctrine to a labor-surplus economy.

The University of Florida

SHAMSEDIN, Ezzedin M. The economic impact of development: a case study of the Litani River and other projects in Lebanon.

Fordham University

KAVANAGH, Michael J. An application of growth-model concepts to the programming of development in the Irish economy.

UZOAGA, Okifis W. An analysis of the monetary and banking system of Nigeria.

Georgetown University

EGAN, Joseph John. Qualitative economic changes in secular inflation: an examination of Schumpeter's thesis of innovation and autodeflation during development.

GROSSMAN, Henry. The problem of reasonable market prices in the regulation of independent producers of natural gas.

NABULSI, Hikmat M. S. Labor organization and development in Syria, 1946-1958.

Harvard University

AHARONI, Yair. U.S. private investments in Israel—an analysis of decision making processes in foreign investments.

ANDERSEN, Arthur Trygve. The resource and competitive significance of scrap reclamation.

ANDERSON, Hayward Sullivan. A study of the criteria used by the merchandising committees of 3 multi-unit supermarket organizations when selecting new grocery items.

BARRETT, Martin Richard. A multiple exchange rate system: an appraisal of Chile's experience, 1946-1955.

BATCHELDER, Alan Bruce. An economic and historical analysis of the causes of variation among northern standard metropolitan areas in productivity of Negro men in 1949.

CARPENTER, Walter Hull. Bargaining in economic crisis.

CHRISTENSON, Charles John. Optimal strategies in sealed bidding for corporate debt securities.

COOK, Arnold Charles. Some aspects of central banking in Australia, 1945-59, with special reference to the operation of the special accounts system as a central bank weapon.

DAY, Richard Hollis. Recursive programming and production response.

DOODY, Francis Stephen. Case studies in the theory of union growth, 1860-1920.

EICHER, Carl Keith. Constraints on economic progress on the Rosebud Sioux Indian Reservation.

FARRAR, Donald Eugene. The investment decision under uncertainty: portfolio selection.

FROMM, Gary. Prices, profits and productivity.

GOLDMAN, Marshall Irwin. The economics of trade and distribution in the Soviet Union: marketing in a controlled economy.

GREEN, Reginald Herbold. The international impact on Southeast Asian economies: analytical and theoretical explorations in the economic development of Burma, Malaya, and Ceylon.

HAMMAN, Robert Leroy. Theory of investment of the diversified corporation.

KAUFMAN, Gordon Mayer. Statistical decision and related techniques in oil and gas exploration.

KEESING, Donald Beaumont. Labor skills and the factor content of international trade: an inquiry restricted to products of manufacturing industries.

LASTRA-GONZÁLEZ, Carlos Juan. The impact of minimum wages on a labor-oriented industry.

LEVINE, Herbert Samuel. A study in economic planning: the Soviet industrial supply system.

MARKS, JR., Leonard. Sales financing problems of farm equipment manufacturers.

MELVILLE, Robert Freeman. Taxation of corporations in Massachusetts, 1925-1952.

NIEDERCORN, John Herman. An econometric study of aggregate investment in plant and equipment in the United States, 1930-1957.

RESEK, Robert William. Neutrality of technical change and aggregate production.

ROTHWELL, Kenneth James. The nature and development of international portfolio investment.

SAMARAS, John Nicholas. The use of outside consultants by the management of small manufacturing firms.

SCHLEIFER, JR., Arthur. Use of Bayes decision theory in quality control.

SCOTT, Robert Haney. Debt management for economic stability.

SKINNER, Charles Wickham. Production management in U.S. companies manufacturing in Turkey.

STENASON, Walter John. Competition in transportation: an analytical and empirical examination of market structure and price policy in transportation.

TILLES, Seymour. The use of outside consultants in small manufacturing enterprises; the technique of being advised.

TRYON, Joseph Lee. Factors which influence the behavior of business inventories.

WAKS, Norman. Selective competition in new air weapon procurement.

WALKER, Donald Anthony. Nacional financiera de Mexico.

WEINSHALL, Theodore Dov. Problems of change in organizational structure in growing enterprises.

WILLIAMSON, John Peter. Effects of securities regulation on Canadian corporate financing.

WILSON, Thomas Arthur. The inflationary process in the machinery sector.

University of Illinois

CARRIER, Ronald Edwin. An economic analysis of trade union power.

LORD, JR., William Jackson. How authors make a living: an analysis of free lance writers' incomes, 1953-1957.

POWELL, George McCutchan. Use of commercial policies for purposes of economic development with respect to selected underdeveloped countries.

THOMPSON, John Clair. A critical analysis of the theory, quantification, and uses of regional social accounts, emphasizing the disciplines of economics, business accounting, and geography.

TRUSK, Robert Joseph. Sources of capital of early California manufacturers, 1850-1880.

Indiana University

KENNEDY, Jay Byron. Protective labor legislation in Indiana.

WARNER, Larkin Bruce. The economics of the transportation of Ohio coal.

State University of Iowa

MONTGOMERY, Albert Alonzo. An evaluation of the balance sheet approach to the theory of the firm.

NORDQUIST, Gerald Lee. Activity analysis and the theory of the firm.

Iowa State University of Science and Technology

HILTON, James Gardner. An application of inventory theory to farm equipment repair parts.

WINAKOR, Thora Geitel. Factors associated with changes in clothing expenditures in the United States, 1929-1958.

The Johns Hopkins University

STOIKOV, Vladimir Liubenov. The allocation of scientists and engineers.

Massachusetts Institute of Technology

ABBOTT, Jarold Guy. Changing role and responsibilities of management: an environmental analysis.

BARSS, Lawrence Whitcomb. Political change and economic growth: a methodology applied to Japan, Turkey and India.

COOPER, Charles A. Agriculture, labor surplus, and foreign trade in Bulgaria, 1925-1960.

DHRYMES, Phoebus James. Resource allocation implications and measurement of sectoral productivity parameters in a multi sectoral economy.

HUDSON, JR., David Venable. Economics of the natural gas pipeline industry: a case study.

MASSY, William Francis. Innovation and market penetration.

NIELSEN, Earl Scott. Market value and financial structure in the railroad industry.

PETERSON, Clair Alton. Supply of scientific and engineering manpower.

RICO, Leonard. Information processing and the management of personnel: a survey of recent experience with computer technology.

SINGER, Jacques Joachim. Postwar development and future of the North American newsprint industry.

STIGUM, Marcia Lee. Impact of the European economic community on the French cotton and electrical engineering industries.

WAGNER, Harvey Maurice. Statistical management in inventory systems.

WAN, JR., Henry York. Contribution to the theory of trade warfare.

McGill University

BINHAMMER, Helmut Herbert F. A study of the residential construction sector in the Canadian economy.

EATON, George Eugene. The development of trade unionism in Jamaica.

FALLENBUCHL, Zbigniew Marion. Capital accumulation and allocation in the Communist system.

SIEVWRIGHT, Eric Colville. The effect of petroleum development on the Alberta economy, 1947-1957.

University of Michigan

DARNTON, Donald Charles. The probable impact of the St. Lawrence Seaway on the port of Baltimore, Maryland.

NEIL, JR., Herbert Edward. Effects of inflation upon the incomes and asset values of consumer spending units, 1949-1958.

OBELSKY, Alvan Jerome. Pre-conditions of economic development: an analysis of the Japanese case.

SOBOL, Marion Berta Gross. Correlates of present and expected future work status of married women.

WINGER, Alan Richard. An approach to the problem of measuring upgrading demand in the housing market.

Michigan State University

CONLON, John Thomas. The arbitration of discipline grievances: an analysis of procedural and substantive standards of review.

SCHOLTZ, Andries Petrus. A comparative analysis of corn problems and programs in the United States and the Union of South Africa.

STEWART, Max Douglas. Aspects of the Canadian wooden match industry and public policy.

The University of Nebraska

PATTERSON, Kenneth Denton. Competition between commercial banks and a production credit association: a case study.

New York University

ALEXANDRIDES, Costas George. The United Nations economic assistance to the Republic of Korea: a case study of economic reconstruction and development.

ATWATER, Verne S. The Radcliffe report: implications for United States monetary policy.

BRIDGER, Lillian Ruth. The Histadrut and Israel's industrial development in the first post-independence decade.

EL HAWARY, Sayed M. The role of consumption patterns in economic growth.

GREEN, Joseph. A study of certain economic understandings of high school seniors and teachers in selected schools of New Jersey.

HAWKINS, Dale R. School building bonds in Utah: an analysis of bonds issued and an evaluation of bond procedures and practices.

LEES, Francis A. A critical analysis of the European Payments Union: 1954-1958.

LEVTOV, Amiram. Productivity and labor-management cooperation programs: findings and some hypotheses.

SHERER, Walter. The coal and steel community—stepping stone to European integration.

TAYLOR, Gray Nelson. Procedures and specification forms for competitive bidding on school insurance requirements in New York State.

WILSON, Arthur Jess. Vocational aspects of tuberculosis.

The University of North Carolina

HICKMAN, Edgar Powell. A method for state economics analysis—with special reference to North Carolina, 1947-1956.

HUNTLEY, Patrick. State distribution of manufacturers' plant and equipment *In Place* 1954-1956.

LEE, Marvin Elihu. Industrialization, land tenure and the birth rate in the Southeast.

ROBERTS, JR., Ray Crouse. Collective bargaining in the motor freight industry.

ROWAN, Richard Lamar. Some aspects of the growth of organized labor and public policy.

Northwestern University

ANDREANO, Ralph L. The emergence of new competition in the American petroleum industry before 1911.

KITTLESON, Bob Randolph. Competition in the fractional horsepower electric motor industry.

WEINSTEIN, Paul Allen. Feather-bedding and racketeering: an analytic and legal study.

University of Notre Dame

O'BRIEN, John Conway. An analysis of the standards of administration of union welfare and pension funds.

PETRELLA, JR., Frank. Edmund Burke and classical economics.

The Ohio State University

FRANK, Wayne Travis. A case study of the economic development of a country dependent upon international trade.

KEIG, Norman Guthrie. Labor force behavior: a case study of married women.

ZAREMBA, Alois Louis. Canadian balance of payments, 1946-59: foreign investment and economic development.

University of Pennsylvania

CLARK, Albert Hatcher. The Development and operations of the employee retirement system operated by the City of Philadelphia.

CLIFFORD, Alfred Jerome. The independence of the federal reserve system.

GRANT, Arthur Ira. Wage and non-wage shares in business product, 1899-1929.

HAIDAR, Mohamed Nazem H. The economic process in selected Arab countries—prospects and fulfillment.

SADRI, Mansour. Economic planning in Iran. A study of entrepreneurial problems during economic growth.

SAENZ, Michael. Economic aspects of church development in Puerto Rico.

The Pennsylvania State University

HOFFMAN, John Nathan. Major economic changes in the mining and distribution of Pennsylvania bituminous coal.

University of Pittsburgh

ALFANDARY-ALEXANDER, Mark. An inquiry into some models of inventory systems.

FAVOR, Homer Eli. The effects of racial changes in occupancy patterns upon property values in Baltimore.

HILL, Edmund Russell. A comparative study of the U.S. and Canadian economies based on selected key indicators—1929 to 1956.

JECKOVICH, Stephen. An economic study of the United States glass industry, 1899-1947.

KOZIK, Eugene. Economic analysis of representative recent federal anti-monopoly decisions within the concept of workable or effective competition.

MARHOEFER, Gilbert Lionel. Background and economic aspects of immigration to the United States and the world refugee problem.

OMPS, James Ray. Differences and similarities among small businessmen—a survey of four populations.

SHIFFLER, Neil Frederick. Analysis of regulations affecting the marketing of fluid milk under Pennsylvania milk control.

SLAVIN, Richard Henry. The development of current economic problems in the pressed and blown glass industry.

THOMAS, Ralph Lingo. Policies underlying corporate giving.

Princeton University

BROWN, David Grant. Determinants of salary and wage structures: an interindustry analysis.

CHERRY, Ronald Laird. Capital equipment replacement policy: a statistical inquiry into the replacement of city buses.

COOPER, III, Andrew Jackson. The wages of airline pilots: the system of wage computation, the wage level, and the wage structure of pilots employed by U.S. scheduled airlines.

DAVIS, Richard Guenther. Preference structures and the measurement of military worth.

DEMENY, Paul George. Investment allocation and population growth.

FRASER, Herbert Ward. A theory of the optimum time rate of growth of the firm.

KROTKI, Karol Josef. Estimating vital rates from peculiar and inadequate age distributions (Sudanese experience).

LOPEZ, Alvaro. Problems in stable population theory.

MILLER, Ronald Eugene. Efficiency in the domestic trunk airline industry: an application of linear programming.

QUIRIN, George David. The regulation of field prices for natural gas under the Natural Gas Act.

WINCH, Donald Norman. The political economy of colonization.

Purdue University

MANES, Rene Pierre. The effects of United States oil import policy on the petroleum industry.

University of Southern California

AGETON, Aura-Lee. An investigation into planning techniques for maximization of manpower in England and in the United States.

Stanford University

BAERNCOFF, David Alexander. Regional interest rates: municipal bonds in California, 1900-1957.

CAMPBELL, JR., Burnham Orlando. The housing life cycle and long swings in residential construction: a statistical and theoretical analysis.

HALDI, JR., John Edward. Economies of scale in economic development.

The University of Texas

WAGONER, William Delmer. The non-free worker in post-Civil War American history.

University of Toronto

PENTLAND, Harry Clare. Labour in Canada in the early 19th century.

Vanderbilt University

BOOTH, Edward John Rufus. Economic development in eastern Oklahoma until 1950.

University of Virginia

EDWARDS, Daniel James. Process of economic adaptation in a World War II-neutral country: a case study of Sweden.

University of Washington

COMITINI, Salvatore. A sectoral study of the economic development of Japanese fisheries exploitation.

HERBER, Bernard Paul. The use of informers' rewards in federal tax administration.

SMYTHE, JR., Cyrus Field. Protection of individual rights in collective labor relations.

TRESTRAIL, Richard William. An analysis of alternative methods of forest taxation: their effects on real forest investment and social value yields not subject to capture by the owner.

The University of Wisconsin

ANANTARAMAN, Venkatraman. Occupational mobility of American economists: a report on the survey of patterns and factors in their mobility.

BROWN, James Douglas. Changes in inter-industry wage levels and cost-push inflation: the experience in manufacturing during the post-war period.

JAKUBAUSKAS, Edward Benedict. The impact of technological change on railroad employment, 1947-1958.

LEE, Seung Yun. Selective credit control for economic development.

LEE, Tong Hun. Housing expenditure analysis: a decision unit model.

O'DONNELL, Ligouri Alphonsus. An inquiry into union structure: the intermediate body.

RAPSON, Ira John. The Dane County small claims court. Its functions and social impact.

WILLIAMS, James Earl. Labor relations in the telephone industry: a comparison of the private and public segments.

Yale University

HASAN, Mohammed Parvez. Inflation and balance of payments: experience of Pakistan 1951-59.

HESTER, Donald Denison. An empirical examination of a commercial bank loan offer function.

KATZ, Arnold. Cyclical unemployment and the secondary family worker.

KINTANAR, JR., Agustin. An analysis of the effects of certain modifications in the tax structure on the rate of economic development of the Philippines.

MURPHY, John Joseph. The establishment of the American clock industry: a study in entrepreneurial history.

PHELPS, Charlotte Priscilla DeMonte. The impact of tightening credit on municipal capital expenditures in the United States.

SCHRADER, Lee Frederick. A spatial equilibrium analysis of cattle feeding in the United States.

SMITH, JR., Francis James. The impact of technological change on the marketing of Salinas lettuce.

STOLLSTEIMER, John Fred. The effect of technical change and output expansion on the optimum number, size, and location of pear marketing facilities in a California pear producing region.

ZUSMAN, Pinhas. Econometric analysis of the market for California early potatoes.

University of Chicago

HOOVER, Dale M. A study of agricultural land prices in the United States, 1911-1958.

SCHUH, George Edward. An econometric investigation of the market for hired labor in agriculture.

Columbia University

HIRSCH, Eva. Income distribution in Turkish agriculture.

The University of Connecticut

BURY, Richard Landon. The efficiency of selected site characteristics as predictors for location of land use shifts to residential purposes.

Cornell University

ALLEE, David Jepson. Governmental facilitation of irrigation in New York.

BRAID, Andrew Falcnor. The role of directors of local cooperatives in Ontario, Canada, in continuity and change.

CALL, David Lincoln. Interregional competition in the production and processing of table beets.

CUNNINGHAM, Roy Thomas. Evaporation losses from water spray droplets carried in an air stream.

JOHNSON, Irving Errington. Alternatives in agricultural land tenure, Jamaica, West Indies.

KINNE, Ivan Liddle. An analysis of costs and economic efficiency in New York State apple packing houses.

PINCOCK, Mark Glade. An economic comparison of poultry management systems, New York, 1958-59.

The University of Florida

HOFFER, Frederick Joseph. The cost of packing and distribution of Florida honey.

WILLIAMS, Floyd Wendell. An evaluation of consumer preference and the effects of price variations and selected fruit characteristics on retail sales of Florida avocados.

Harvard University

BROWNSTONE, Meyer. Farm income—a study in agricultural policy.

DANIEL, Eddie Francis. The role of farm management in the development of agriculture in India.

University of Illinois

ALEXANDER, William Harrell. Market structure and competitive behavior in the fluid milk distribution industry.

DESAI, Dhirajlal Keshavlal. Increasing income and production in Indian farming: possibilities with the existing resource supplies on individual farms.

JACOBSON, Robert Erwin. An analysis of the effect of the dairy price support program on prices and consumption of frozen desserts, cheese, and butter.

JOHNSTONE, Robert Lawrence. An economic analysis of the agricultural lending activities of commercial banks in selected areas of Illinois.

LANGHAM, Max Raymond. Effects of economics adjustments on the supply of milk from farms in northeastern Illinois.

WALKER, Francis Edwin. Methods of measuring seasonal changes in demand for broilers.

Iowa State University of Science and Technology

ARROYO, S.J., Gonzalo Jose Correa. Dynamic programming models for identification and measurement of inefficiencies in leasing arrangements.

BARKER, Randolph. The response of milk production to price: a regional analysis.

HAYAMI, Yujiro. Poultry supply functions.

MOTES, William Calvin. Effects of changes in transportation costs on the location of the meat packing industry.

NEKBY, Bengt Arne. The structural development of American agriculture.

YARON, Dan. Resource allocation for dairy and field crops in the Negev area of Israel.

Kansas State University

KAHLON, Avtar Singh. The domestic demand and price structure for different classes of wheat in the United States.

University of Kentucky

PARIS, Donald Gordon. Predicting firm behavior from estimates of input productivity for a sample of western Kentucky farms.

Louisiana State University

BENTZ, Robert Paul. Effects of packaging on retail egg sales and on quality deterioration.

WILLIAMSON, Bernis Earl. The nature of consumer preference for canned sweet potatoes.

WOOLF, Willard Franklin. Optimum farm plans for small farms in the Mississippi River Delta of Louisiana (an application of linear programming).

AGRICULTURAL

University of California, Berkeley

AGARWAL, Mahesh Chandra. Rotation selection on the family farm in the district of Muzaffarnagar of India.

DAVIDSON, Jack Richard. Economic efficiency and firm adjustment for market milk production in the southern metropolitan milkshed of California.

FLETCHER, Lehman Blanton. Growth and adjustment of the Los Angeles milkshed: a study in the economics of location.

FOWLER, Marquis Lyndon. An economic-statistical analysis of the foreign demand for American cotton.

HELMBERGER, Peter George. Cooperative bargaining in agriculture.

HIEMSTRA, Stephen James. An analysis of forces affecting the procurement of merchandise by retail grocery firms.

McCONNEN, Richard Joseph. The economics of range fertilization in California.

MENZIE, Elmer Lyle. Section 22 of the Agricultural Adjustment Act of 1933: a study in public policy formation and administration.

MOFFETT, Russell Edward. Measuring optimum level of investment, with reference to a particular water distribution system.

POLOPOLUS, Leonidas. United States beet sugar: a study of industry structure and performance under protection and control.

REED, Robert Holbrooke. Economic efficiency in multiple product frozen vegetable plants.

University of Maryland

CURTIS, John Marvin. An investigation of the marketing situation facing eastern shore of Maryland and Virginia intermediate potato producers.

Michigan State University

BLANK, Oscar Uel. OASI data of the Farm Labor Force.

DIKE, George Kimball. A partial test of the relation between aggregate investment in agriculture and certain economic fluctuations.

SJO, John Bernard. Technology: its effect on the wheat industry.

University of Minnesota

ABEL, Martin Erwin. An economic analysis of programs for expanding the demand for farm food products in the United States.

BAUMGARTNER, Helmut Walter. Factors associated with potential mobility among farmers.

NELSON, Ralph Emil. The nature of competition among South Dakota dairy manufacturing plants.

SCHMIDT, John Richard. Farm organization as influenced by forage acreage.

University of Missouri

BREWER, Durward. An analysis of livestock marketing patterns in Missouri.

CRAMER, JR., Charles Leonard. An analysis of changes in structure of hog markets in northeast Missouri.

GUPTA, Mahendra Pratap. Analysis of management of local cooperatives by directors and managers in Missouri, 1960.

KARNIK, Kumud Chintaman. Factors influencing use of credit in American agriculture (including comparisons with India).

WILSON, Norman. Meat consumption patterns among Columbia Negroes.

North Carolina State College

COCKROFT, Lindon Uhle. A systems analysis of the harvesting, curing, and marketing stages of flue-cured tobacco production.

HAMMOND, Leigh Hugh. An evaluation of the opportunity for investment in sweet potato canning plants in North Carolina.

RIZEK, Robert Leroy. An economic appraisal of farming adjustment opportunities to meet changing conditions in Economic Area 7, North Carolina.

STOUT, Roy Glendon. A study of hog movements and inter-area price relations in the Southeast.

The Ohio State University

AMOS, John Max. An economic analysis of highway improvements on country elevators.

ARMSTRONG, David Lee. Development of optimum forage-handling systems on one- and two-man dairy farms in western Ohio.

BARR, JR., Wallace. Major economic impacts of the conservation reserve on Ohio agricultural and rural communities.

BRUNTHAVER, JR., Carroll Grant. A study of the Ohio lamb marketing structure, with particular emphasis on competitive bidding versus negotiated pricing systems.

CAIN, Jarvis Lynn. Development and use of the demonstration store technique for extending operational efficiency research results in retail produce departments.

CHAUDHRY, Ali Mohammad. The use of a farm management approach in solving agricultural problems in Pakistan.

FULLER, Cecil Eugene. A minimum cost movement pattern for feed grains in Ohio.

FURBAY, Walter Merrill. An analysis of the sale of inexpensive cut flowers and potted plants through supermarkets.

GREENBAUM, Harry. An economic analysis of consumer shopping patterns in five Dayton, Ohio, supermarkets.

HARLAN, Reginald Kelsey. Analysis of costs and problems involved in a program for stimulating movement of land and human resources from agriculture in Gallia County, Ohio.

LEWIS, James Hubert. An analysis of market structure and spatial price patterns for hogs and pork and pork products in Ohio.

STEWART, Donald Doyle. Income, employment, and resource use among rural families in southeastern Ohio.

SWANK, Chester Eugene. Levels of consumer food-buying knowledge, factors involved in consumer decision-making, and implications for consumer marketing economics programs.

Oklahoma State University

BARR, Alfred Lowell. Dynamic and static analyses of cattle systems and range improvement practices, northeastern Oklahoma.

HURT, Verner Gene. Capital investment and resource adjustments on individual farms in Ouachita Highlands of Oklahoma.

MAROUSEK, Gerald E. An economic analysis of the effects of alternative shearing methods on wool quality in eastern South Dakota.

Oregon State University

DAVIS, Lynn Herman. Production and marketing of broilers by contract with applications to other Oregon agricultural enterprises.

JAMES, Sydney Carter. Techniques for characterizing Oregon soils for agricultural purposes in terms of physical and economic productivities.

KIMBALL, Norman Delmar. The impact of economic and institutional forces on farmer adjustments in the North Unit Deschutes Project.

PANYADHIBYA, Bhochana. Irrigation development in the central plain of Thailand and the country's stages of economic growth.

University of Pennsylvania

BLYN, George. Agricultural trends in India 1891-1947: output, welfare, and productivity.

The Pennsylvania State University

BROOKS, Thomas Marion. Consumers' preferences for selected types of food packaging.

DEENY, Michael Colman. An analysis of some factors influencing the future of the Pennsylvania dairy industry.

FUTHEY, George Robinson. Appraisal of an economic model for use in estimating farm output response.

Purdue University

ISHIDA, Jack Tatsumi. Analysis of external economic factors affecting the success of Indiana REMC's.

NICHOLSON, Raymond Calvin. A linear programming analysis of the impact of varying prices upon a central Indiana hog and beef farm.

QUINTANA, Emilio. Resource productivity estimates for five types of Philippine farms.

STOREY, David Alden. Market performance in the perishable bakery products industry.

WALLACE, JR., Luther Tompkins. Factors affecting industrial location in southern Indiana.

South Dakota State College

CHRISTOPHE, Cleveland A. The cost of manufacturing butter and non-fat milk solids in two model plants in South Dakota.

Stanford University

MANDERSCHIED, Lester Vincent. Influence of price-support program on seasonal corn prices.

Agricultural and Mechanical College of Texas

HOLLAND, Robert Lee. A market classification system for grease wool to facilitate marketing on an objective basis.

JONES, Amos Dixon. An economic analysis of wool warehouses in relation to wool marketing in the United States.

RAHMAN, Khalilur. A model agricultural credit system for Pakistan.

Vanderbilt University

DREW, William Howard. Demand spatial equilibrium models for fresh apples in the United States.

University of Virginia

BOTTOMLEY, John Anthony. Agricultural credit in Tripolitania.

Western Reserve University

SINGH, Vidyapati. Financing of road improvements for farm marketing.

The University of Wisconsin

APP, James Leonard. Vegetable enterprise selection in central Wisconsin.

BASHEER, Abdel-Mawla Mohammed. Approaches to the economic development of agriculture in Egypt (U. A. R.).

BOGGS, Kenneth Beeks. An analysis of machine-type hay harvesting methods used on Wisconsin farms.

CORNELIUS, Grant Leland. A study of residual income and land values on Wisconsin farms.

DOMIKE, JR., Arthur Louis. Procurement strategies and market behavior of the wheat milling and barley malting industries in the North Central grain markets.

FULCHER, Glen Dale. Methods of economic evaluation of outdoor recreational use of water and a case study of their application.

GEORGE, Mammootil V. The causes of dairy mergers and their impact on the structure of the dairy industry.

GROVES, Francis William. Budgeting techniques in decisions on efficient surplus milk disposal.

ISARAPANDH, Glom. A comparison of the legal-economic features of cooperative organization in the United States and Thailand.

McCONNELL, Douglas John. Selection of farm plans under alternative soil conservation practices for a representative farm on the Fayette soil of southwest Wisconsin.

MEJIA-MATTEI, Luis A. An integrated and diversified local cooperative—a case study.

RIECK, Robert Emil. An empirical measure of decision making as an evaluation of farm and home development in Wisconsin.

THOMPSON, John Eldon. Financing public education in South Dakota.

WALSH, Richard George. Private development, utilization and evaluation of recreation resources in northern Wisconsin.

COMMERCE—BUSINESS

University of Alabama

DUNN, J. D. Office and clerical industrial relations in manufacturing in the deep South.

HICKS, Herbert Gosa. The quantification of managerial decision problems.

MILLS, Donald. The theory and practice of corporate capital presentation (a comparative analysis).

The American University

SWEETSER, Albert Gibby. The public-utility status of commercial warehousing in the United States: an investigation into its history, scope, and justification.

University of Arkansas

NEELEY, Luther Paden. A study of current accounting systems and practices in apparel stores in Arkansas.

OLMSTED, Harry Jarvis. Interstate Commerce Commission policy in regard to railroad use of trucks in line-haul service: a critical analysis.

PEDEN, JR., Guy Theron. Competitive strategy directed toward sales promotion among independent retail specialty stores dealing in men's wear in Arkansas.

Boston University

ALLYN, Charles Vance. The development of a shorthand aptitude test, using recognized shorthand strokes in its construction.

University of California, Berkeley

FLANDERS, M. British export shares, 1949-1954: a case study of devaluation.

GALENSON, Marjorie Spector. Comparative real wages in the United States and eight European countries.

SCHADRACK, Frederick Charles. Capital formation in commercial real estate, 1920-1959.

SHERMAN, Howard Jay. Profit rates: relation to cyclical fluctuations and corporate size, United States, 1931-58.

SUH, Nam Won. Dependent organization with emphasis on labor organization.

University of California, Los Angeles

FELTON, John R. The horizontal dissolution of manufacturing enterprises.

HUNGATE, Robert P. Inter-business financing: the economic implications for small business.

McKENNEY, James L. Simultaneous multi-programming of electronic computers.

University of Chicago

LONERGAN, Wallace G. Leadership and morale: a study of the relationship between consistency of multiple leadership practices and morale in industry.

SIMON, Julian L. Economics of book storage plans for a university library.

Columbia University

BURGESS, Leonard Randolph. Top executive pay package.

McRAITH, James Frederick. The marketing of rice in the Republic of Korea: problems of an underdeveloped oriental country.

ORTNER, Robert C. An approach to the analysis of common share prices.

WALLACE, Emmett. Appraisal of stock options as an incentive device—a study of their use and abuse.

WARREN, E. Kirby. Long-range planning in the decentralized corporation.

Cornell University

DAVISSON, William Ira. The impact of electric power on the economic development of the Pacific Northwest.

DOUGLAS, John. The present status of the management training and development activities for nonpromotable middle managers in the major American companies—a study of an undeveloped managerial resource.

University of Illinois

ANDERSON, Hershel Murray. The accounting firm's function in the individual's professional development.

BRANDENBURG, Warner Otto. Financial analysis of the pharmaceutical industry, 1930-1959.

DOPUCH, Nicholas. Toward a theory of information processing in corporate reporting—a proposal for supplementary data in the annual report.

EL-HAWARY, Mohamed Nasr. The determination of business income in times of rising prices.

ELWELL, JR., Harry Howard. Airline passenger fares: an analysis of changes by the domestic trunk airlines, 1945-1954.

MANZARA, Frederick Armand. The development of the concept of the product assortment in the literature of economics and marketing.

SHUFORD, Donald Beam. A study of the firm's advertising expenditure.

WEIGAND, Robert Eugene. Changes in the marketing organization in selected industries—1950-1959.

Indiana University

RAHMAN, Abdel Moniem Aly. Egyptian income taxation of nonresident aliens and foreign corporations and its effect on Egyptian economic growth.

State University of Iowa

BERG, Warren Glenn. Problems relating to the certified public accountant's opinion on financial statements.

GOELDNER, Charles Raymond. Automation in food marketing—selected case studies.

JOHNSON, Robert Lawrence. An analysis of the financial problems and practices of 153 closely held companies which offered securities to the public in 1957.

The Johns Hopkins University

CUMMINS, John Gaylord. Concentration and mergers in the pulp and paper industries of the United States and Canada, 1895-1955.

KAWAMURA, Itsuo. Foreign trade and economic development of Japan.

Louisiana State University

BOBO, James Robert. An analysis of the growth of savings and loan associations in the Ninth Federal Home Loan Bank District, 1945-1959.

HECK, William Ross. Estimated liabilities for warranties and guarantees.

HODGE, Billy J. An analysis of the determination and content of a program for the development of personnel managers.

THACKER, Ronald James. A study of income statement concepts.

Massachusetts Institute of Technology

TOUSSAINT, Maynard Norman. Impact of the industrial relations function on line management.

University of Michigan

CULP, William Hammond. Accounting for business separations.

GORE, George Joseph. Survey of industrial relations in leading Michigan road construction firms.

HUTCHINSON, John George. The measurement of production standards and the administration of systems of production standards: an analysis of selected firms in the automobile and auto parts industries.

Michigan State University

BOWERSOX, Donald John. Evaluation of alternative solutions to the food distribution center location problem.

COHEN, Edwin. Some aspects of the structure of accounting theory.

KING, Robert Leroy. An inquiry into the relevance of "the marketing concept" as a management guide to the mobilization of corporate effort.

O'DONOVAN, Thomas R. Contrasting orientations and career patterns of executives and lower managers.

PHILIPS, George Edward. Integration of corporate and individual income taxation.

SAUER, Warren L. Labor-business images of community power: convergences & divergences.

University of Minnesota

GOLDSTUCKER, Jac Landman. The dynamics of wholesale trading areas.

SRBICH, Alexander Leka. Lumber manufacturing on two continents: with special reference to the organization and control of lumber manufacturing firms, scientific production management, and industrial engineering techniques.

New York University

FEINBERG, Daniel. A case of substitution: butter and margarine.

FRISBIE, M. Adele. Emerging electronic data processing and its relation to office employment and costs, 1930-1957, and implications for business training.

GILSENAN, James F. An analysis of the industrial park growth phenomenon.

MELLMAN, Martin. Marketing cost analysis for manufacturers—a review of current literature and a field study of twenty-eight companies.

MENNIS, Edmund Addi. Measuring corporate profits.

SLATIN, Benjamin. Fluctuations in paper-board production.

WREGE, Charles Deck. Facts and fallacies of Hawthorne: a historical study of the origins, procedures and results of the Hawthorne illumination tests and their influence upon the Hawthorne studies.

The University of North Carolina

DAY, Ralph Lewis. A study of mathematical programming as a tool for marketing management.

EDWARDS, Charles Edward. The struggle for survival: a study of the experience of the leading independent manufacturers in the United States passenger car industry, 1946-1958.

North Carolina State College

ZAKI, Ramzy Mohamed. Applications of linear programming techniques to some problems of production planning over time.

Northwestern University

JOHNSON, Arthur H. Federal income taxation of patents and copyrights.

WU, Shih-Yen. The determination of price, output, and sales equilibrium in the domestic copper industries.

The Ohio State University

BAEDER, Robert Walter. A critical analysis of methods of determination and utilization of territorial market potentials.

BROWN, Ronald Gene. A scientific approach to auditing.

DOODY, JR., Alton Frederick. The nature and functioning of the Army and Air Force post exchange system.

JONES, Douglas Norin. Economics of logistic support: an analysis of policy and the cost and preparedness contributions of premium transport of military cargoes.

KING, Martin Lee. Management aids for small-scale retailers.

KLEESPIE, Dee Lee. Professional development at the manager and partner levels in national firms of certified public accountants.

LYLE, Harry Curlis. A critique of the consolidation policies of corporations.

MAYER, Morris Lehman. Changes in variety store merchandising.

NEEL, Richard Eugene. The economic and social significance of the feeder airline system: an analysis of contributions, costs, and subsidy-reduction prospects.

NEUBIG, Robert Doane. A study of the effect of periodicity on certain interim corporate reporting practices.

PABST, Donald Froh. The effects of price level changes on the financial statements and performance results of mutual funds.

University of Pennsylvania

BELTH, Joseph M. Participating ordinary life insurance sold by stock companies.

GARRETT, Leonard Joseph. Human characteristics as they limit information systems.

RAHMAN, Riazur. Selected problems in the rapid development of the cotton textile industry in Pakistan.

The Pennsylvania State University

JONES, Oliver Hastings. The secondary market for urban residential mortgages.

Purdue University

BOCK, Robert Howard. An analysis of the long-range planning process in a select group of business firms.

Radcliffe College

GRIFFITH, Rosemary Coward. Factors affecting continental United States manufacturing investment in Puerto Rico.

Rutgers University

TAILBY, Donald G. Chapters from the business career of William Constable: a merchant of post-Revolutionary New York.

University of Southern California

LAMBERTI, Nello Arthur. A research study in the application of management principles and techniques to a selected small manufacturing plant.

REZVANI, Mohammad. The problem of management in relocation of industrial plants in the city of industry (an industrial development near Los Angeles).

SATTARI-TEHRANI, Hassan. A study of management methods and problems of the Atchison, Topeka, and Santa Fe Railway with reference to the administration of Iranian state railways.

Stanford University

DOBLER, Donald William. A study of materials management and its problems in small manufacturing businesses.

GLASKOWSKY, JR., Nicholas Alexander. An analysis and evaluation of the development of coordinated air-truck transportation with special reference to Northwest Airlines, Inc.

KNOWLES, JR., Henry Paine. Railroad-motor carrier integrations and public policy.

KOOKEN, John Frederick. An analysis of problems associated with post-completion audits of capital expenditure projects.

PORTER, Albert Leslie. Predictors of organizational leadership.

PORTER, Donald Eugene. Some effects of information distribution, group size, and participation on group problem solving.

REHDER, Robert Richard. The role of the detail man in the diffusion and adoption of an ethical pharmaceutical innovation within a single medical community.

VIDALAKIS, Nick Spiro. Innovating marketing strategies in selected service industries.

Syracuse University

VOGT, Karl Edward. The influence of the economic environment on the erosion of managerial prerogatives: two case studies.

The University of Texas

BISHOP, Bill. A critical evaluation of return on investment concepts used in selecting alternative capital additions.

DALE, Alfred George. Nuclear power development in the United States to 1960: a new pattern in innovation and technological change.

DE COSTER, Don Theodore. A critical analysis and appraisal of supplementary cost controls for inventories.

MC MICHAEL, Melvin Eugene. The impact of integrated data processing on organization structure.

SWEENEY, Robert Boyce. An inquiry into the use of mathematical models to facilitate the analysis and interpretation of cost data.

WOLFF, Albert Eli. An approach to estimating production performance on non-repetitive work.

WOODS, Jarrett Edwin. Design of a locational preference index for Texas supermarkets.

University of Washington

BARBER, William Frederick. An analysis of marketing curricula in American colleges and universities.

LEESEBERG, Donald George. Retail trade trends in metropolitan Milwaukee, 1948-1959.

ROBB, James Fredrick. An analysis of consumer attitudes and behavior in the marketing of fryers in the greater Seattle area.

SHUSTER, JR., Louis Joseph. A study of engineers' unions and their accomplishments.

The University of Wisconsin

BURDICK, William Lester. Group health insurance for the aged.

DILLINGER, James Edward. The concept of indemnity in insurance law.

STEFANIAK, Norbert John. Locational characteristics of Milwaukee County manufacturing plants and their relation to land use patterns.

UDELL, Jon Gerald. A theory of non-price competitive strategy.

FINANCE

The American University

LIEBLING, Herman I. Financing the post-war expansion of business: an industry analysis.

University of Arkansas

CANGELOSI, Vincent E. A statistical method of forecasting gasoline consumption at the state level—an analysis of selected western states.

HALL, Bob Eugene. An inquiry into the investment and economic implications of the variable annuity payout period.

MULLINS, Roland Thomas. An investigation into the effects of inflation on the market for bonds.

University of California, Berkeley

RUPRECHT, Theodore Kilian. The demographic factor in Egyptian economic progress.

SHALLAH, Rateb Badreddine. Unification of the banking system in the United Arab Republic.

University of Chicago

DEAVER, John V. The Chilean inflation and the demand for money.

MEERMAN, Jacob Phillip. Nicholas Biddle on central banking.

MEIGS, Alexander J. Free reserves and the money supply.

University of Cincinnati

SEO, Kap-Kyung. The problems of effectiveness of monetary policy.

The Claremont Graduate School

COOK, Harry LeRoy. The economic role of life insurance companies as financial intermediaries in the saving-investment process.

Clark University

GOLDSTEIN, Harold M. The impact of federal income disbursements on the southeastern states, 1929, 1939, 1949, and 1957.

POULSEN, Roy George. The evolution of the Rhode Island budget process.

University of Colorado

BRITTAN, Margaret Regina. A probability model for integration of Glen Canyon Dam into the Colorado River system.

DECKER, Robert Lee. The economics of the legalized gambling industry in Nevada.

Columbia University

HARRIS, Edmond Saul. Classified pricing of milk: some theoretical aspects.

MURRAY, Alan Page. British and American systems of income tax withholding.

The University of Connecticut

MELICHAR, Emanuel Otto. State individual income taxes—impact of alternative provisions on burdens and yields, with special reference to Connecticut and Connecticut agriculture.

Cornell University

BERNHARD, Richard Harold. The theory of capital investment planning.

Harvard University

BAKER, JR., Charles Clarke. Liquidity management in the commercial bank.

EDWARDS, Weston Eyring. Management of investment and loan portfolios of selected commercial banks.

MACLAURY, JR., Bruce King. The Canadian money market, its development and its impact.

University of Illinois

BEARD, Winston Clingan. The financial and economic effects of geographical restrictions upon the investment policies of life insurance companies.

MCLOONE, Eugene Peter. Effects of tax elasticities on the financial support of education.

Indiana University

MACHIRAJU, Hanumantha Rao. Tax policy and economic development in India with special reference to the recent tax reforms.

MALI, Kuldip Singh. Financing economic development of Burma since independence.

University of Kentucky

MINTON, Charles Robert. Description of the investment company industry, and an analysis of the investment performances, portfolio policies, and practices of twenty selected open-end investment companies.

University of Maryland

DAVENPORT, Robert C. The economics of urban renewal: an evaluation of the federal program.

OTT, David Jackson. The financial development of Japan, 1878-1958.

Massachusetts Institute of Technology

KANE, Edward James. Interregional flow of funds in the United States: 1955-1958.

RUSER, Claus William. Essays in monetary analysis.

University of Michigan

DAVID, Elizabeth Jane Likert. Public preferences and the tax structure: an examination of factors related to state and local tax preferences.

SUSSMAN, Marvin Richard. The stock dividend—an analysis of its concepts, its influence on stock prices and its uses by corporate managements.

WELLER, Kenneth Jay. An analysis and appraisal of rights offerings as a method of raising equity capital.

Michigan State University

MELNYK, Zinowij Lew. Ukrainian capital and the Soviet economy.

University of Minnesota

HADY, Thomas Frank. An analysis of the distribution of the Minnesota personal property tax.

HALSTEAD, David Kent. The derivation and evaluation of an individual-stock formula investment plan.

HELMBERGER, John David. State and local taxation of banks.

RAWLAND, Perry Gardner. Mutual fund investing with implications for general education.

The University of Nebraska

GLEASON, Gerald Edwin. Trends in federal credit in Nebraska, 1930-1955, influences on institutions and credit structure.

HOLDREN, George Christian. Some effects of methods of inventory valuation and depreciation on selected financial ratios.

MORRISON, Vernon Guy. The Illinois full value assessment legislation of 1945 relevant to uniformity in valuation of real estate under the general property tax.

New York University

BAME, Jack. The Paris money market—changing patterns in French money and finance.

BEN-SHACHAR, Chaim. The monetary and banking system of Israel.

BERNSTEIN, David. Budgeting in New York City.

BRANDT, Alfred. Central banking in Western Germany from 1948 through 1957.

WISEMAN, Joseph A. Financial aspects of depreciation in industrial corporations.

WOLF, Arno B. Surety bonds and their use for public schools.

The University of North Carolina

MANSFIELD, Lawrence Frederick. The origins of the international monetary fund.

Northwestern University

RINGGENBERG, JR., Ralph Gerald. An analysis and evaluation of the substitution of income debentures for preferred stock in the capital structures of class I railway companies.

VERNON, Jack Raymond. Savings and loan response to monetary policies.

The Ohio State University

PRINCE, Jack Edward. History and development of the Mississippi balance agriculture with industry program, 1936-1958.

Oklahoma State University

NAM, Duck Woo. Monetary expansion and capital formation in Korea: 1954-1958.

University of Oregon

FIESER, Max Eugene. The role of foreign economic policy in maintaining United States war potential.

GOLS, A. George. United States foreign oil investment and United States domestic policy.

HOMAN, A. Gerlof. The effects of United States direct private foreign investments on the United States balance of payments.

WELLS, Donald Addison. Servicing United States direct foreign investment.

University of Pennsylvania

HAMMOND, James Dillard. The effect of mergers on private pensions.

HASNAT, Abul. Corporate financial reporting in Pakistan.

MELONE, Joseph James. Collectively-bargained multi-employer pension plans.

University of Southern California

KOORAS, Ahmed. The theory of investment programming: a suggested econometric model.

KOTTKE, Frederick Edward. Economic analysis of financing an interstate highway system.

Syracuse University

BOYLE, Gerald Joseph. Economic aspects of charge-financing local government services.

ELGOWHARI, Adel. Monetary policy in underdeveloped financial markets.

NAKAGAWA, Koji. A moneyflow approach to the analysis of cost-push inflation.

SAKURAI, Kinichiro. Financial aspects of economic development of Japan from 1868 to present.

The University of Texas

BELZUNG, Laurie Dennis. Economic implications of state fiscal dependence on oil and natural gas taxation in Texas.

BERRY, George William. Recent mortgage lending trends in Travis County, Texas.

CRUM, Larry Lee. Federal regulation of bank holding companies.

MA, James Chao-seng. A study of the people's bank of China.

PAINE, Neil Reuben. Mathematical programming in portfolio selection.

VAUGHN, Donald Earl. Development of the small business investment company program.

University of Virginia

JENNINGS, George Wood. The fiscal history of Virginia from 1860 to 1870.

University of Washington

LAUDADIO, Leonard. The adequacy of bank profits.

The University of Wisconsin

ANDERSON, Leslie Paul. The valuation of common stock holdings of United States legal reserve life insurance companies.

BRYAN, William Royal. Bank purchases of earning assets: a decision unit model.

COMIEZ, Maynard Sheldon. The distribution of Wisconsin state and local taxes by income class.

HEINS, Arthur James. A reappraisal of constitutional debt restrictions in the states.

SHAPIRO, Harvey. Financing local government in metropolitan areas. A case study of Madison, Wisconsin.

HISTORY

University of Alabama

THOMPSON, JR., William Wilker. A managerial history of a cotton textile firm, Spartan Mills, 1888-1958.

University of California, Berkeley

BANDERA, Vladimir Nicholas. Foreign capital in eastern Europe between the World Wars.

DAHL, Albin Joachim. British investment in California mining, 1870-1890.

PFAFF, Richard Henry. Political factors influencing the economic development of Turkey, Iraq and Iran.

University of Colorado

THERKILDSEN, Paul Thorleif. Public assistance: a positive and normative approach.

The University of Florida

SWANSON, Donald Forbes. The origins of Hamilton's fiscal policies.

University of Illinois

MARQUARDT, Mary Oona. Sources of capital of early Illinois manufacturers, 1840-1880.

Indiana University

DAVIS, N. F. Trade unions' practices and the Negro worker—the establishment and implementation of AFL-CIO anti-discrimination policy.

The Johns Hopkins University

YASUBA, Yasukichi. Economics of the birth-rates of the white population: United States, 1800-1860.

University of Michigan

KÖHLER, Heinz. East Germany's economic integration into the Communist bloc.

Michigan State University

BREIT, William. The wages fund theory: a historical analysis.

The University of Nebraska

FIRTH, Robert Everett. Power on the plains, a business history of the development and operation of public power in Nebraska.

Stanford University

WILLIAMSON, Jeffrey Gale. Kuznets cycles and their effect upon American balance of payments, 1820-1913.

The University of Texas

PARTIN, Charles Arthur. Roots of state entrepreneurship in Australia, Canada, and the United States: a comparative study.

THEORY

University of Arkansas

WEST, David Almond. The relationship between consumer sovereignty and the free choice system; a theoretical analysis.

Bryn Mawr College

FORRESTER, Marion Wallace. Capital formation in Kenya.

University of California, Berkeley

KRUPP, Sherman Roy. Pattern in organization analysis: a critical examination.

MONSEN, JR., Raymond Joseph. Ideologies of modern American capitalism.

Cornell University

DRYDEN, Miles Muir. Economic replacement and the criterion problem: with special reference to the MAPI urgency rating.

GEORGIADIS, Hourmouzis George. Balance of payments equilibrium.

University of Illinois

CHIU, John Shih-yao. The aggregation problem for systems of interdependent equations.

SIMMONS, Ronald Eugene. A short-run theory of real gross national product.

ZUWAYLIF, Fadil Hasan. Planning development in Iraq: 1950-1960.

Indiana University

DOW, Louis Arnold. A critical evaluation of the wage theories and wage policies of the Chicago school.

HOLMES, Richard Arthur. The Canadian survey of manufacturers' investment: a statistical study.

University of Michigan

PETER, Hollis William. Using technical and social knowledge in economic development.

THOMAS, Philip Stanley. Capital intensity and the theory of technical choice with special reference to India.

University of Minnesota

McKINNON, Ronald Ian. The employment of labor and the cost of capital in manufacturing industries as they are related to wage changes and technological progress.

The University of North Carolina

JONES, Barclay Gibbs. The theory of the urban economy: origins and development with emphasis on intraurban distribution of population and economic activity.

MOORE, Amos Monroe. The use of Engel curves as welfare indicators.

North Carolina State College

GIESEMAN, Raymond Walter. Explanation of consumer behavior in terms of want-satiation measures for goods.

The Ohio State University

GRIMES, Blaine Eagle. The economic analysis of social policy evaluation.

Oklahoma State University

POOLE, Richard William. A theory of local labor market delimitation.

University of Pennsylvania

BRAMHALL, David Frederick. Integrated techniques for regional projection and policy formation.

SMOLENSKY, Eugene. Some factors affecting the location of economic activity and the size distribution of income.

University of Southern California

HALL, Harry Lawrence. Wage differentials in theory and practice: the effect of status on wage differentials.

PARKER, William McFadden. The usefulness and limitations of accounting reports for testing the theory of the firm: an appraisal.

Stanford University

CARR, Charles Rickards. Price theory and inventory control.

HOOVER, John William. Simultaneous equations and correlation theory.

MINHAS, Bagicha Singh. An international comparison of factor costs and factor use.

TAIRA, Koji. The dynamics of Japanese wage differentials, 1881-1959.

University of Toronto

BISHOP, George Archibald. Debt management as an instrument of compensatory policy in Canada, World War II to 1960.

The University of Wisconsin

LEE, Maw-Lin. Pattern of installment borrowing by credit buyers of durable goods in 1956 and 1957.

EDUCATION

GENERAL

University of Alabama

CROCKER, Jack Wayne. The relationship of size and organizational type to certain factors in Alabama's white public junior high schools.

THOMSON, JR., James Robert. A study of twelfth grade social studies in the white Alabama high schools.

The American University

COPENHAVER, Harold Leroy. An historical investigation of music education in the United States Air Force.

GRAY, Norman Hamblin. The adequacy of the preparation of Saint Stephen's boys for college.

University of Arizona

MARTIN, John Henry. The function and responsibilities of a state music supervisor for the State of Arizona.

Arizona State University

HANHILA, Matt O. A critical research study of double sessions in a large city high school.

HARMS, Callis R. The relationship between intelligence, physical growth, socio-economic status, social acceptance and academic achievement in the elementary school.

University of Arkansas

BILLINGSLEY, Leon C. Characteristics of teacher effectiveness.

KAISER, Louis Howard. Factors related to the educational aspiration level of selected Negro and white secondary students and their parents.

NORTH, Willard Eugene. A study of the relationship between teaching experience and the factorial structure of teachers' attitudes.

STARLARD, Victor De Vere. Factors associated with Negro voting in a delta county of Arkansas.

WILLIAMS, JR., Henry Adolphus. A comparison of teacher and non-teacher graduates of Lambuth College.

WITHERSPOON, Robert Paul. A comparison of the temperament trait, interest, achievement, and scholastic aptitude test score patterns of college seniors majoring in different fields at the Arkansas State Teachers College.

Baylor University

LING, Dah-Torng. An analysis of the technical vocabulary of arithmetic textbook series for the elementary school.

ROUSE, Thelma Ruth. An investigation of selected factors related to freshman drop-outs.

Boston University

DEXTER, Erwin Brownell. A study of the speech development of primary grade children in relation to certain perceptual, intellectual, and sociological factors.

HOGAN, Florence Pearl. Comparison of two methods of teaching word meaning through the use of word parts in grades ten, eleven, and twelve.

MARTIN, Edgar P. An analysis of teachers' and laymen's understanding of educational terms and of the relationship of understanding of terms to certain factors.

MENYUK, Paula. A descriptive study of the syntactic structures in the language of children: nursery school and first grade.

PICOZZI, Raymond Louis. The construction and evaluation of a series of exercises in creative drama.

SCRIBNER, Harvey B. Construction and validation of a scale to rate teaching services in grades four, five and six.

WOODS, Roy Alexander. Criteria of excellence for science fair projects in physics and some characteristics of student winners.

University of California, Berkeley

ANDERSON, Leone Doris. The functions of peripheral vision in the reading act.

DUTTON, Thomas Bruce. Factors related to scholastic achievement in selected low- and high-achieving social fraternities.

HUTTO, Jerome Addison. Some characteristics of kindergarten children's speech: a descriptive analysis.

MEEK, Doris Dray. School recreational preferences of Oakland City College students within the trade, technical, business and liberal arts divisions of the curriculum.

SHAW, Merlin John. The educational effectiveness of the traveling school camp.

University of California, Los Angeles

BORRESEN, Hugo Alfred. The effect of instructions and content of items as cues on three types of ratings.

ELLIS, Peter D. Prediction of success of doctoral students in education.

GREENOUGH, Frederick J. California school district election laws.

HOLTON, Arthur J. Music education in California colleges.

KYNARD, Alfred Tennyson. Criteria for determining the value of work experience for teachers of trade and industrial education.

LANGENBACH, Robert G. An evaluative study of business education in Montana public high schools.

MAGUIRE, Ruth E. English commentary on the American common school, 1860 to 1900.

MEANS, Richard K. A history of health instruction in the United States.

MIRMAN, Norman. A study of social adjustment as it relates to grade-skipping in the elementary school.

NELSON, James H. A study of high school seniors' images of California colleges and universities.

REEVES, JR., James H. A method for analyzing costs of student counseling services.

RENTSCH, Helen J. English comment on American education, 1900-1944.

ROBERTS, Helen E. Factors affecting the academic underachievement of bright high school students.

ROTH, Dorothea H. A study of the immediate and longitudinal effects of opposing arguments on education concepts.

SPECHT, Edwin M. A recommended program of curricular services to be performed by county school units in serving secondary schools of California.

STANCHFIELD, Jo M Cowles. A study of boys' reading interests in relationship to reading achievement.

TRIPLETT, James W. A functional analysis of the elementary school principal.

The Catholic University of America

BOURGEOIS, Sister Mary Audrey. A study of the preparation for the role of parent-as-educator in selected Catholic women's colleges.

DIDIER, Sister Mary Ambrose. The vocabulary of general science at the eighth grade level. (Educational Research Monograph, Vol. 23, No. 3.)

HERARD, Reverend Joseph P. A factorial study of educable retarded children. (Educational Research Monograph, Vol. 24, No. 4.)

JENKS, Reverend William F. The co-operation of public and sectarian agencies in the education of exceptional children.

ROBERTSON, Reverend Glendon E. The development of the understanding of the Mass in children in Catholic schools. (Educational Research Monograph, Vol. 24, No. 3.)

University of Chicago

ABBOTT, Max Gardner. Values and value-perceptions of school superintendents and board members.

BAHNER, John M. An analysis of an elementary school faculty at work: a case study.

BONE, Louis W. Secondary education in the Guianas.

BROWN, M. Alan. The relationship of the quality of collegiate education to the continuing education of college alumni.

BRUEN, Hanan. The impact of social and political factors upon the teaching of history in the secondary schools of Imperial Germany and the Weimar Republic.

CARBONE, Robert Frank. Achievement, mental health, and instruction in graded and non-graded elementary schools.

FINDER, Morris. Descriptive English in the classroom.

GOLDMAN, Samuel. Sub-public perceptions of the high school graduate and the roles of institutions in his development.

LOPEZ, Ramon R. A study of male high school seniors' attitudes toward the army and of the relationships between these attitudes and dominant value orientations.

MAYNARD, Richard E. The *Lise* and its curriculum in the Turkish educational system.

PIERCE, James V. Non-intellectual factors related to achievement in above average ability high school students.

REZLER, Agnes. Needs, perception and level of aspiration in college.

ROGERS, Bernice. Directed and undirected critical reading responses of high school students.

SINGH, Kirpal T. Determining objectives for secondary education in India: a methodological study.

STANEK, Muriel N. The implications of teacher attitudes for curricular adaptations in metropolitan elementary schools affected by social change.

STONE, Shelley C. A study of the relationships among values, family characteristics, and personality variables of adolescents.

WOOLF, Jeanne A. A study of some relationships between intra-personality congruence and academic performance.

University of Cincinnati

REIGEL, Charles Edwin. Early school leavers who return to Cincinnati public evening schools.

University of Colorado

ESTLOW, Willis L. Text materials for the earth science parts of general education courses in natural sciences.

Colorado State College

ANDERSON, Dorothy May. A study to determine if children need a mental age of six years and six months to learn to identify strange printed forms when they are taught to use oral context and the initial sound of the word.

BALLOU, Mildred Tesdahl. A study of the science interests of students in grades one, two, and three in Des Moines public schools, Des Moines, Iowa.

FLOYD, William Downing. An analysis of the oral questioning activity in selected Colorado primary classrooms.

GAGON, Glen Scott. A diagnostic study of the phonic abilities of elementary teachers in the State of Utah.

HALL, Norman Ricketts. A comparison of two approaches to the corrected test in the teaching of spelling.

HEDDENS, James William. A comparison of three methods of estimating quotients.

HERYFORD, Fred Wise. A study of attitudes, personality needs, and vital statistics as they relate to the job performance of teachers in state institutions for the mentally handicapped.†

KLITZKE, Louis Ladde. The academic success of former junior college students at Colorado State College.

LUNDQUIST, Justin Nels. An experimental study of the use of the raw scores of the verbal reasoning subtest of the differential aptitude tests for sectioning tenth grade English classes in the Grossmont Union High School District.

PEASE, Donald Eugene. A study of the behavioral tendencies of conformity, autonomy, and individualism as these tendencies are indicated by a selected population of fifth and sixth graders.†

RUBLE, Dennis Wayne. A study of spelling difficulties of third grade children.

SILLS, Thomas Wiatt. The effect of classroom observations on teacher satisfaction and on the teacher's perception of the supervising principal.

SLOAN, Forrest Edward. An evaluation of elementary school pupil's knowledge of Mexico as related to the opinion of authorities.

Columbia University

ABU ELNASR, Abd Elmonim. A factorial analysis of personal-social problem-solving abilities of high school students.

GRABENHEIMER, Ruth. Academic mathematics in New York City public schools since 1930.

MILLER, JR., Sutherland Daniel. The relationship of personality to occupation, setting and function.

MULLER, Bruce P. Personality correlates of the placebo reaction.

ROTHMAN, Jack. Minority group identification and intergroup relations: a study of Jewish identification and its relationship to outgroup attitudes and associations in a sample of minority group adolescents.

ROWLEY, Virginia Marie. J. Russell Smith, geographer, teacher and conservationist.

TANNENBAUM, Abraham Joseph. Adolescents' attitudes toward academic brilliance.

VENTUR, Pierre August. Some effects of upper extremity prosthetic restoration.

Columbia University Teachers College

ANDERSON, William George. A study to determine effective behind-the-wheel instruction in driver education.

COHEN, Elliott Morton. A philosophical inquiry into the essence of recreation.

GRIFFIN, Aileen. A portrait of the woman teacher in twentieth century popular magazines.

HARVEY, John Albert. The role of American Negroes in organized baseball.

MARVIN, John H. A study of public attitudes toward education in selected New York central school districts.

SHIVELY, Esther Manning. She bringeth her food from afar: some questions posed for theory and research by married American women's work roles.

WOLLITZ, Norman Earl. An inquiry into current trends in modern educational practice.

WYBOURN, Edbrooke Sidney. The Canadian Y.M.C.A. as an agent of international understanding.

The University of Connecticut

PEPE, Thomas Joseph. A critical analysis of litigation and rulings relative to Connecticut public school laws with particular emphasis on the period 1949-1959.

SIPAY, Edward Robert. A comparison of standardized reading achievement test scores and functional reading levels.

TENNEY, Henry Cecil. The development of criteria for the education of emotionally handicapped children in special classes.

Cornell University

MCCREARY, Anne Phillips. A study of association, reinforcement, and transfer in beginning reading.

NAINIE, Margaret. Maternal expectations and satisfactions with nursery school programs.

OSBORN, Barbara Louise. The development of an instrument to determine value patterns of homemaking teachers.

PATEL, Amboobhai Umedbhai. Applicability of principles of supervised farming programs in teaching of agriculture in the high schools of Gujarat State, India.

SALOIS, Sister Mary Jeanne. An experimental study to evaluate the use of two student units in homemaking classes in Catholic secondary schools.

THOMPSON, Cleopatra Davenport. The Jackson State College graduate in American society: a follow-up study of 306 graduates, 1944-1953.

ZINK, Mary Stillman. Factors associated with under-achievement in the College of Arts and Sciences and the College of Agriculture at Cornell University.

Dropsie College

BROWN, Sheldon S. A guidance experiment in the Jewish Supplementary Weekday School.

Duke University

BRYSON, Joseph Eugene. Legality of loyalty oath and non-oath requirements for public school teachers.

FRANZEN, Charles Kugler. Life adjustment education: basic concepts, antecedents and later manifestations.

JACKSON, JR., Dan Shaw. An analysis of programs for trainable mentally retarded children in North Carolina public schools.

LAWRIE, Jack Douglas. The feasibility of extending the secondary school year in North Carolina.

MARTIN, Robert Douglas. The union school principal in North Carolina.

PITTILLO, JR., Robert A. Tort liability of colleges and universities.

The University of Florida

BANDY, Olie Sherman. An appraisal of the administrative and organizational arrangements for programs of Spanish in Florida high schools.

BENNETT, William Yancey. Plant communities of selected dunes and sandy areas of Florida—as laboratories for high school biology.

FABER, Shepard Mazor. A survey of selected provisions for high school science instruction in Florida.

IVEY, Marvin Lee. Geology for Florida junior colleges.

MOLBERT, Doris Elaine. An exploration of student and faculty perceptions of a phase of the qualifying examination for the doctorate.

Fordham University

FLOOD, John E. An analysis of the spelling errors found in a selected word list administered to pupils of the fourth, fifth, and sixth grades.

George Peabody College for Teachers

ALEXANDER, Forrest Doyle. An experiment in teaching mathematics at the college level by closed-circuit television.

BOST, Bill A. A comparative study of selected national science foundation summer science training programs for secondary school students.

EVANS, Ralph E. The legal authority of local boards of education in Tennessee.

JARVI, Marjorie Elizabeth. A follow-up study of the Carnegie Graduate Fellowship Program at George Peabody College for Teachers.

MAULDIN, Lloyd Wesley. The colonial influences on Indonesian education.

MILLER, Jack Willis. An experimental comparison of two approaches to teaching multiplication of fractions.

SAAD, Mohammad Ismail. A comparative study of seven representative Western and Indo-Pakistani educational thinkers.

STEPHENS, Darleen Bell. Evaluating three ways of using a televised dental information program with parents of preschool children.

University of Georgia

SCOTT, Mary Hughie. An analytic study of certain motives and needs of prospective women teachers.

Harvard University

CARTON, Aaron Süß. Verbal style of conceptualization and personality characteristics.

EZER, Melvin. The effect of religion upon children's responses to questions involving physical causality.

HERRIOTT, Robert Eugene. Factors influencing the educational aspiration of adolescents.

HIVELY, Wells. Programming stimulus in matching to sample.

KELLY, Paul Edward. Factors related to the school principal's orientation to educational innovation.

LENOM, Mary Bartlett. Music education in the public schools of France.

PEASE, Donald Arthur. The potentialities of geology for science education.

PERRY, Raymond Joseph. A study of the problem of attrition of cadets at the U.S. Coast Guard Academy.

PORTER, Douglas. Spelling taught by machine: an application of reinforcement psychology to classroom teaching.

PRICHARD, Keith Willis. Job satisfaction of the public school principal.

PURPEL, David Edward. The comprehension of written social studies content as a function of amplification and topic.

SHAVER, James Porter. A study of teaching style: the investigation through systematic observation of the ability of experimental teachers to conform to two models of teaching.

SIZER, Theodore Ryland. The committee of ten.

SMITH, Maurice Daniel. An investigation of programmed instruction.

SPEARRETT, Donald. A factorial analysis of listening comprehension.

WEYGAND, George Alexander. An appraisal of a program designed to improve an area of the secondary school science program.

University of Illinois

CARSE, William Thomas. Relations among teachers' self perceptions, educational viewpoints, and use of test results.

EDELBLUTE, Nina. Acceptance of the school lunch program in Kansas.

OLSON, James Ladd. A comparison of sensory aphasic, expressive aphasic, and deaf children on the Illinois test of language ability.

SHEMICK, John Magnusen. Evaluating initiative and self-reliance in industrial arts classes.

Indiana University

BROWN, Robert Michal. Programming a film series: a case study analysis of factors affecting the cost of selected methods of distributing film series.

CHAYANIYAYODHIN, Seela. A study of the principles of teaching the language arts and their implications for teacher education in Thailand.

CRONK, John Graham. An analysis of certain areas of the administration of extra-curricular programs in selected six-year high schools in Indiana.

FLEMING, Malcolm Lee. An experimental exploration of three communicator-strategies for increasing the predictability of pictorial cue: verbal response relationships.

GIBBONS, Helen Elizabeth. Factors that influence the excellence of supervision teachers in business education.

HARPER, Leo Merle. An explanatory study of the use of graphs in the third grade.

HARRIS, James Braxton. Behavioral outcomes of general education in the regionally accredited public senior high schools of North Carolina.

HEADD, Pearl Walker. An investigation to determine the effectiveness of Tuskegee Institute's courses in audio-visual education based upon opinions of graduates.

KNAPP, Austin Carlyle. An analysis of trends in selected graduate audio-visual education programs.

LUNSTRUM, John Paul. The role of the social studies teacher in the treatment of controversial issues.

MAJOR, Dorothy Mae. Career preferences and planning of high-ranking senior students in collegiate schools of nursing.

RIGGS, Zack Orville Albert. Instructional accounting programs in church-related colleges.

ROCKWOOD, Ruth Humiston. A study of the correlation between the training and occupation of a selected group of library science graduates.

SHUBKAGLE, Ruby Friese. An analysis of the oral language of third-grade children.

SPENCER, Lucile Brackney. An analysis of employer and professional opinion concerning the preparation of secondary school teachers.

STONEKING, Lewis William. Factors contributing to understanding of basic arithmetical principles and generalizations.

SUKONTARANGSI, Swat. The development of governmental control of public education in Thailand.

TAYLOR, Leonard Vernor. Basic principles and practices as a guide for public school procurement.

TAYLOR, Stanley Maurice. A comparison of the selection practices of certain teacher education institutions on standard accreditation and on annual accreditation in Indiana.

State University of Iowa

EBELING, Harriet Marie. Instructional materials in social studies for the superior pupil in the intermediate grades.

WASINGER, Gordon Bernard. A comparative study of some interests and attitudes relative to public school adult education.

The Johns Hopkins University

SCHELL, Edith Louise Weaver. The educational philosophy of Bernard Bosanquet.

University of Kansas

BREAZIER, Eldon Earl. Criteria for developing and evaluating health education curriculums in Kansas public schools.

COAN, Clark. A study of the attitudes of selected social studies teachers and parents of Kansas high school students regarding the inclusion of controversial issues as part of the secondary school social studies program.

DEWAR, John A. An experiment in intraclass grouping for arithmetic instruction in the sixth grade.

FRIESEN, Edwin J. A comparative study of the achievement of eighth- and ninth-grade algebra pupils in the Wichita intermediate schools.

PETERSON, E. Raymond. Achievement effect of theme and paragraph writing in senior high school through use of lay-theme readers.

SWEENEY, Mary Rose. A study of the relationship of the quantity of high school English to college performance in English.

WYATT, Nita Mae. A study of the relationship of extensive reading to certain writing skills of a selected group of sixth grade children.

University of Kentucky

DRY, Samuel Wilson. A study to determine the relative effectiveness of three teaching methods for a beginning course in business law at the college level.

MCCRARY, John Dean. The status of farm mechanics instruction in vocational agriculture in Kentucky, with emphasis on the utilization and justification of farm mechanics facilities.

PORTER, JR., Euclid Leon. A study of provisions for superior science students in selected Kentucky public high schools.

Louisiana State University

LOVELL, JR., Othel Eugene. Crucial issues in Louisiana public education as reflected in Louisiana newspapers, 1898-1956.

SANDOZ, Dolores Mary. Educational activities offered employees by some selected Louisiana companies.

SHAW, Stanley. An outline of content for wildlife education and a study of wildlife knowledge of high school seniors of Louisiana.

Loyola University

CHIDEKEL, Beatrice Vivian. A comparative study of the French curriculum in selected elementary school systems of the United States and Canada.

CHIDEKEL, Samuel J. An analysis of some aspects of federal support of education in the United States and Canada.

GRAY, James R. A study of factors contributing to success in mathematics.

QUISH, Bernard A. An analysis and an appraisal of the working relations between the substitute teachers and the regular teachers in the Chicago public elementary schools.

(WIERZBOWSKI,) C.S.S.F., Sister M. Bonita. Survey and appraisal of organized guidance service in the Catholic secondary schools of the archdiocese of Chicago.

YOUNGS, Reverend George Roderick. An analysis of some of the implications of Carl Rogers' hypotheses concerning human nature.

ZBORNIK, Joseph J. An evaluation of prediction of success in shorthand.

University of Maryland

BARNES, Elaine Milam. The schools of Taegu, Kyongsang Pukto Province, Korea, in 1954-1955: an investigation into the interaction between culture and education.

NUSS, Eugene Miller. An exploration of the relationship between creativity and certain personal-social variables among eighth-grade pupils.

SHOEMAKER, Charles Edward. Instructional materials in industrial arts, an appraisal of instructional materials prepared by industry for home-use equipment for use in industrial arts.

University of Michigan

BAKER, Russell Ray. Program provisions in Michigan junior high schools for superior students in mathematics.

DONNELLY, Charles Robert. The preparation, functions, and certification of public junior college teachers in Michigan.

GREENE, Bert Ira. A study of selected dropouts—a decade or more after leaving school.

HANLIN, Richard Thomas. Studies in the genus *Nectria*.

JOHNSON, Norman Jack. A comparative study of the interest patterns of students enrolled in selected curricula at Prairie View Agricultural and Mechanical College, Texas, 1956-1958.

JUNTADO, Loreto Grajo. Number concord in English and Hiligaynon.

MONAGHAN, Floyd Veranus. The effect of delay of knowledge of test results on learning in a natural science course.

MUNZER, Jean Howard. A study of the relationships between mobility and academic achievement of third-grade and sixth-grade children.

POMNICHOWSKI, Alexander Sylvester. A study of the attitudes and opinions of administrators, teachers of business and teachers of social studies toward the place of economics in the secondary school.

SPEIGNER, Theodore Roosevelt. An analysis of the resource-use education program of North Carolina College at Durham.

WEAVER, Donald Clifford. Primary aims and appropriate activities of Michigan public secondary school student councils.

ZAUGG, Margaret Duncan. A study to determine the validity of Part VI, Secretarial Procedures, of the Certified Professional Secretaries Examination.

Michigan State University

BROWN, Helen Ione. A study of the membership criterion, the basic features, and student appraisals of the Michigan State University Honors College.

CARNAHAN, James Edwin. Certain factors that contribute to non-conviction of responsible drivers in motor vehicle accidents resulting in a fatality.

HARVEY, L. James. A study of the guidance resources of students in high school affiliated with the National Union of Christian Schools in Michigan and Illinois.

HUNTER, William Frank. An exploratory analysis of space perception in congenitally blind and sighted individuals.

PERNERT, Earl Maurice. A study of certain aspects of communication programs in selected Class C public schools in Michigan.

VOLLER, Ellwood Archie. A report of an experimental orientation forum for parents of Michigan State University students.

WILLIAMS, Ferne. A study of the effectiveness of the office training program at Flint Community Junior College as related to the employment needs of former students.

University of Minnesota

FERGUS, Patricia Marguerita. Factors affecting the development of the orchestra and string program in Minnesota secondary schools.

GARDNER, William Earl. The relationship between time sense, evaluating information, and achievement in American history.

GHOBRAL, Girgis Bakhom. The maladies of the Egyptian secondary education in historical perspective.

GUNDERSON, Doris Virginia. The influence of college reading instruction upon academic achievement.

MARVIN, Robert Paul. The development and experimental trial of a unit operation method of instruction in mechanized agriculture.

PEARSON, Neville Pershing. Organization and use of audio visual education in Minnesota public schools.

VIKNER, Carl Filip. Analyses of some values held by the faculties of the colleges of the Augustana Lutheran Church.

WALTERS, Louis Lloyd. A comparison of achievement in high school biology when taught to ninth grade and tenth grade pupils.

WRIGHT, Eugene Stewart. An investigation into the effect of reading training on academic achievement among freshmen in the College of Agriculture, Forestry, and Home Economics.

The University of Mississippi

HAWKINS, Merrill Morris. A study of arithmetic performance, reading levels, and teachers' scores for fifth and sixth grade pupils in the Vicksburg public schools in 1885 and in 1959.

University of Missouri

FLEEMAN, Paul Glen. Predicted special education teacher needs in the public schools of Missouri 1960-61 through 1970-71.

HORINE, JR., John William. Relation of experience in high school drafting to achievement in engineering drawing at the college level.

McCLAIN, Charles James. Criteria for the establishment of public junior colleges in the State of Missouri.

SAVILLE, Anthony. A survey of ability grouping programs in Missouri public high schools, 1960-61.

VAN DEVANDER, Donald Mouzon. A description and comparison of selected characteristics and qualifications possessed by fulltime, public school, classroom teachers and the new teachers employed in Missouri during the 1958-59 school year.

The University of Nebraska

BROWN, Edward Dietz. Arithmetical understandings and attitudes toward arithmetic of experienced and inexperienced teachers.

HART, Richard LaVerne. An analysis of factors related to high and low achievement in understanding basic social concepts.

LANGERAK, Robert Willard. Sex and school entrance age as factors related to certain skills achievement.

The University of New Mexico

CHARLES, Carol Morgan. The Indian child's status in New Mexico's public elementary school science program.

CONDIE, LeRoy. An experiment in second language instruction of beginning Indian children in New Mexico's public schools.

New York University

ADAMS, Rosemary Frayser. A study of community services as professional laboratory experiences in the preservice preparation of teachers in music at Knoxville College, Tennessee.

ANDERSON, Esther Elizabeth. The effectiveness of high school bookkeeping and short-hand grades as indicators of college success.

ATKINS, Robert Adville. A follow-up study of graduates of the General Electric mathematics fellowship program.

BAYLOR, Ruth Markendorff. The contribution of Elizabeth Palmer Peabody to kindergarten education in the United States.

BROWN, William Crawford. An evaluation of the course offerings and requirements in the secretarial science curriculum at Hampton Institute.

CONNELLY, Marjorie Morse. Changes in Gregg shorthand.

DICKMAN, Michael. The development of the curricula of the schools of chiropody-podiatry in the United States.

DUNBAR, Harry B. The impact of the Ecole Normale Supérieure on selected men of letters of France, 1875-1902.

FOOTE, Richard Paul. The prediction of success in automotive mechanics in a vocational-industrial curriculum on the secondary school level.

HOLBRITTER, John Albert. A history of the New York State teachers retirement system, 1921-1959.

JOB, Kenneth Alvin. A social studies resource unit based on adjustment problems of entering junior high school students.

MUNSON, Harold Lewis. The development of a handbook of educational and vocational guidance activities for teachers of academic subjects in New York State.

PERKINS, Bryce. Factors which have influenced the development of the role of the paraprofessional in the elementary schools of Norwalk, Connecticut.

RAKSABOLDEJ, Bitak. A survey of science programs in selected state teachers colleges.

ROBERTSON, Alan Gordon. Student activities and school rewards in a middle-class community high school.

SEGAL, Sol. Science and values.

SLOAN, Alfred Victor. University-directed management seminars for retail executives.

SNYDER, Vance Beidel. Use of teacher-produced instructional films in industrial arts education.

TRAPANESE, Gaetano Ralph. A study of the relationships between the Board of Education and the recreational agencies of Jersey City.

VAUGHAN, John Elwyn. The future growth and development of higher education in the Reorganized Church of Jesus Christ of Latter Day Saints.

The University of North Carolina

SIZEMORE, Ray Brewer. A study of the facilities contained in the twelve most recently constructed junior high school buildings in North Carolina.

Northwestern University

DAVIS, John Rodney. A comparison of the concept of needs in psychology, philosophy, and curriculum theory.

FENELON, William J. A study of the secondary school drop-out problem at Port Washington, Wisconsin, High School.

FRYE, Donald L. A study of the number and type of problems voluntarily brought by male students to undergraduate residence hall counselors and the deans of men in ten selected Midwestern colleges and universities.

GARDNER, Margaret S. Factors associated with success in first grade teaching.

HENDRICKS, Robert Eugene. A model for an organizational pattern for learning experiences in the elementary school.

KINSELLA, Paul Joseph. A comparison of mass media usage by junior high school pupils of extreme educational achievement and mental ability.

LAWRENCE, Bessie F. Factors which influence academically bright students in selecting or rejecting teaching as a profession.

LEWIS, William D. Children's problems in autobiographical statements.

MARTIN, JR., William Ivan. A comparative study of listening comprehension and reading comprehension in the teaching of literature to seventh grade pupils.

PANGALANGAN, Vicenta P. A history of remedial reading instruction in elementary schools in the United States.

PROUSE, Peter. Conflict and concord in school system leadership: a behavioral approach to shared authority.

SMITH, Gary R. An examination of selected measures of achievement and aptitude for use in normative grade placement of science concepts on light.

University of Notre Dame

GRIMES, Sister M. Ursula. An evaluative study of the guidance services provided for eighth-grade pupils in the diocese of Pittsburgh.

The Ohio State University

ARMITAGE, Russell Charles. A study of the community participation of teachers from selected schools in Ohio.

BELL, Richard Henry. A study of the image of the American character as presented in selected network television dramas.

GARDNER, Marjorie Hyer. A follow-up study of graduates from the undergraduate science education curriculum at The Ohio State University 1948-1959.

KAUFMANN, Alvern Walter. Categories of concept formation with an emphasis on geometrical concepts.

KOONTZ, Eunice Raby. Significant factors associated with reading achievement in the primary grades: a longitudinal study.

PIERCE, Dewey. The relation of vocational agriculture experience to scholastic achievement at The Ohio State University.

STATLER, Ellsworth Sheldon. An analysis of current secondary-school standards of state agencies and regional accrediting associations.

The University of Oklahoma

ASHLEY, Wayne Rollin. The study of aspiration levels in cerebral palsy children.

COSS, Richard H. Characteristics of teacher-selected leaders, peer-selected leaders, and non-leaders among ninth-grade junior-high school students.

GREEN, Margaret Jane S. A study of certain changes within a group of the trainable mentally retarded.

LOMAN, M. Laverne. An experimental evaluation of two curriculum designs for teaching first-year algebra in a ninth-grade class.

SAUNDERS, Mauderie Hancock. An analysis of cultural differences on certain projective techniques.

THOMPSON, Lois Adele. Office service employment for women college graduates in metropolitan Oklahoma City.

Oklahoma State University

ERB, Everette Duane. A Q-sort study of attitudes and achievement.

HASSINGER, Dale Eugene. The relationship of certain measures of scholastic competency and previous scholarship record to achievement in calculus in the Engineering School at Oklahoma State University.

HOBBS, Walter Wesley. Factors associated with the occurrence of effective local farm mechanics programs in vocational agriculture in Oklahoma.

MILLIGAN, Merle Wallace. An inquiry into the selection of subject matter content for college freshman mathematics.

STEVENS, David Thomas Wadsworth. The humanities courses in the general-education programs of the Oklahoma state colleges.

GUSKY, John Earle. The educational commitments and philosophical foundations of the Council for Basic Education.

WARREN, Alexander Grandison. A study of some training factors associated with the success or failure of cooperative extension workers.

University of Oregon

BARNES, William D. A study of informal group activity within a community's education arena.

BENTALL, Grace. Determination of critical levels of reading ability for high school students as measured by course marks and achievement test results.

ENGLISH, Robert Henry. Cleft palate children compared with non-cleft palate children.

GAISER, Paulene Ellen. A study of tone-matching techniques as remedial instruction for non-singers.

GRIERSON, Kenneth Miller. A study of the self-concepts of a group of adolescent students and the relationships between these self-concepts and behavioral ratings.

Oregon State University

PORTER, Bernard Robert. Extracurricular and nonteaching duties of industrial arts teachers in Wisconsin.

The Pennsylvania State University

FURRER, Ethelyn Crider. An evaluation, by a partially illustrated test, of certain competencies in personal and family financial management possessed by selected senior high school students.

MURPHY, Raymond Orin. Non-intellectual factors in early discontinuances of the 1959-1960 freshman class in engineering of The Pennsylvania State University.

University of Pittsburgh

BALL, Arthur Lewis. Factors affecting articulation in the transition of pupils from eight-grade elementary schools to secondary schools.

BENZING, Cynthia Ellen. A survey of scholarship-guidance practices in selected secondary schools.

BINGHAM, Amelia B. Factors and influences in the election of Latin by high school pupils.

EDGAR, Kenneth Frank. A validation of four methods of improving listening ability.

HAHN, William Paul. Comparative efficiency of the teaching of spelling by the column and context methods.

HOVIS, James Edward. Why some high-ability graduate students in the teaching profession do not aspire to the doctorate.

KOLSON, Clifford John. The vocabulary of kindergarten children.

RICH, Annette Louise. The status of teachers of the educable mentally retarded.

ROUTH, Ida Grace. Development of business education in the public secondary schools of Pennsylvania, 1900-1960.

SOMMERS, Ronald Kenneth. Some factors in the efficacy of training mothers of slow learning and normal children with functional articulation problems.

TOUSSAINT, Isabella Hastie. Interrelationships of reading, listening, arithmetic, and intelligence and their implications.

WILSON, Robert Mills. The scholastic improvement of successful remedial reading students.

University of Portland

PETREQUIN, Gaynor. An experimental-comparative study of the advantages of using punched card electromechanical equipment over manual methods in processing student data in secondary schools.

SMITH, William Walter. The philosophy and principles of Tort and contractual liability of eleemosynary educational institutions.

Purdue University

KASTRINOS, JR., William. The relationship of methods of instruction to the development of critical thinking by high school biology students.

McKINNEY, JR., James Edward. The development of an auditory comprehension test for use at the completion of the second semester of college Spanish.

STOFFEL, Sister Mary Marita. Effects of child-centered versus subject-centered teaching procedures on academic achievement, personality development and social relations.

SWANSON, Lloyd Phillip. An investigation of the relationship between selected characteristics of junior high school children and the number of schools attended.

THOMAS, JR., James Donald. A comparative study of initial achievement of agricultural college students.

Radcliffe College

REBELSKY, Freda Gould. Sex differences in the use of confession.

Rutgers University

STRATTON, Lawrence Merritt. Depth survey of community college need, Morris County, New Jersey.

St. Louis University

MUDD, F.C.S.P., Sister Rita of the Sacred Heart. A content analysis: The treatment of intergroup relations in social studies curriculum materials used in Catholic schools.

University of Southern California

ASCHENBRENNER, Albert Joseph. Upper-classmen as academic advisers to freshmen in an undergraduate college: an experiment.

BIDNA, David Bernard. Social studies programs for academically talented high school students.

CLINE, JR., Marion. Achievement of bilinguals in seventh grade socioeconomic levels.

COLBY, Holly Wester. Warehousing in elementary schools.

DERIAN, Albert Steven. "Cost" and "Utility" in the prediction of the successful junior college student.

EARNSHAW, Helen Kerr. Student assistant program in selected junior college libraries.

HARDISON, Richard Cheves. Some apparent results of college reading improvement programs reconsidered in terms of the method of measuring improvement.

HOPKINS, Kenneth Dean. Validity concomitants of various scoring procedures which attenuate the effects of response sets and chance.

HOYME, Richard Gjermund. Educational sociology—a status study.

HUBERT, Richard. The organization and administration of civil defense in California public schools.

HUMMEL, Robert E. Educational planning procedures for school building construction.

HUTCHISON, James McCulloch. The expected-achievement concept with implications for curriculum and instruction.

PAYNTER, David Hagemann. An analysis of selected business and financial problems in unified school districts following unification.

PLACE, Robert I. The academic successes of junior college transfer students in the California state college business divisions.

SPEERY, Florence B. The relationship between patterns of reading instruction and reading achievement in the primary grades.

Stanford University

FELDMAN, Edwin. UNESCO and American schools: 1946-57.

HAMPTON, Robert Edwin. Perceptions of retailers and retail educators toward collegiate retail education in the California state colleges.

Syracuse University

CAMPBELL, Rev. Thomas Patrick. A study of certain aspects of science education in the Roman Catholic high schools of the diocese of Cleveland, Ohio.

CARNER, Richard L. An evaluation of teaching reading to elementary pupils through closed circuit television.

DORAN, Kenneth T. New York, New Yorkers, and the two year college movement: a history of the debate over structure in higher education.

ELY, Donald Paul. The organization and development of communications programs in selected institutions of higher education.

HEBELER, Jean R. A factor analytic study of an attitude scale toward retardation with parents of educable mentally handicapped children.

KAPLAN, Hyman Julius. Effects of degree of cooperation and affiliation on conforming behavior of adolescents.

SHOTICK, Andrew Luther. A comparative investigation of selected reading comprehension processes and non-verbal functions in mentally retarded and normal subjects.

WEBSTER, E. Douglas. An evaluation of some factors related to worldmindedness.

WEEKS, JR., Edwin E. A study of the expressed employment needs of employers in the Syracuse metropolitan area with implications for the Office Occupations Program in the Syracuse public schools.

Temple University

FLAMAND, Ruth Kauffman. An investigation of the relationship between certain measures of vocabulary and success in beginning reading.

KRALOVEC, Dalibor W. A descriptive analysis of the safety education program of the Philadelphia public schools.

SHULTZ, Kenneth Alvin. A study of cooperative office work-experience programs in the secondary schools of the State of Pennsylvania for 1957-1958.

WHITE, Solomon Leonard. The relationship of certain attributes to attendance problems in the Philadelphia public schools.

The University of Tennessee

BREWER, Alten Clair. An evaluation of the effectiveness of selected aviation education workshops in Tennessee.

MOONEY, Stephen LeRoy. Poe's grand design: a study of theme and unity in the tales.

SHARPE, Hollie Wilks. An application of evaluative criteria to the graduate business education curriculum of selected southeastern institutions.

The University of Texas

BRADLEY, Lillian Katie. An evaluation of the effectiveness of a collegiate general mathematics course.

JEFFERY, Sylvia Viera. An examination of the cultural materials in the state-adopted textbooks currently in use for the teaching of Spanish in the secondary schools of Texas.

SLOAN, Robert Samuel. An analysis of lower division mathematics course offerings in selected universities between 1872 and 1952.

Texas Technological College

DARTER, JR., Clarence Leslie. A comparative study of over-achieving and under-achieving ninth-grade students.

WILLIAMS, SR., Clarence Earl. A study of the science knowledge and background of selected elementary teachers and college students.

University of Toronto

PARVIN, Viola Elizabeth. Authorization of text books for the elementary schools of Ontario 1846-1950.

University of Tulsa

ELLIS, James Riley. The characteristics of junior high school pupils associated with academic achievement in the tenth grade.

HARRIS, Mary Imogene. A curriculum guide for speech arts in the primary grades.

OLIVER, Byron Carl. A study of comparative achievement in ninth grade economics.

University of Washington

GROSSMAN, Alvin. A study to determine the feasibility of establishing an integrated data processing system for pupil personnel records in California public secondary schools.

JOHNSON, Einar Oscar. *Soli deo gloria*: a study of the philosophy and problems of higher education among Norwegian Lutherans in the American environment, 1860-1960.

KARASON, Halldor Carl. An analysis of representative major criticisms of education in the periods 1930-1939 and 1950-59.

MITCHELL, James Robert. A study of the effects on education of community development programs.

Washington State University

DUNCAN, Donald Hubbard. A comprehensive analysis of the current community participation of selected Washington State University graduates.

Wayne State University

BARICH, Dewey. F. The development and projected role of the Detroit Institute of Technology.

GLOVINSKY, Arnold. Factors in the development of professional education for secondary school teachers in the United States, 1870-1907.

HAGEMEYER, Richard H. An investigation of factors considered in the selection of apprentices by manufacturing companies in Michigan.

KAVIEFF, Melvin Charles. Requirements for selected occupations in the automotive manufacturing industry with implications for technical education.

LLOYD, Meadow. Prediction of success in practical nursing.

MOELLER, Carl A. Aims for undergraduate industrial teacher education: a study of projected aims and supporting principles as evaluated by selected representatives of industry and labor.

SEXTON, Patricia Cayo. Social class in a big city school system.

Western Reserve University

CALTA, Joe F. The need for a community college for Lorain County.

MATHIS, Harold Fletcher. Vocational guidance activities of professional societies and trade associations.

The University of Wisconsin

CLARK, Harry Edwin. An analysis of the training needs of Wisconsin County Extension Service personnel.

FERVER, Jack Calvin. An analysis of the behavior of county extension directors as coordinators of Michigan State University community development programs.

GRETEBECK, Sanford Hilman. A career pattern study of seventy-six youth farming who were 1957 high school graduates in five selected counties in Wisconsin.

JENSEN, Arthur Kenneth. An analysis of farm mechanics knowledge and skills needed by Wisconsin farmers.

KEPPEL, Ann Marie. Country schools for country children.

EMMERLING, JR., Frank Conrad. A study of the relationships between personality characteristics of classroom teachers and pupil perceptions of these teachers.

GODFREY, Harrison Calvin. A comparative study of county school superintendent roles under elective and appointive systems of selection.

MOSS, Hugh Franklin. A descriptive analysis of a leadership workshop.

PHILLIPS, Ray Cook. An evaluation of the cooperative program for instructional improvement.

Baylor University

THOMPSON, George Derrel. The student council in Texas secondary schools.

Boston University

BERRY, Gilbert William. A study of the role of the supervising elementary school principal in the organization for administration in selected cities and towns of Massachusetts.

DINARDO, Vincent James. The development and evaluation of a leadership attitude scale around the interpersonal relations role of the elementary school principal.

HALEY, Arthur F. An analysis and critique of the full-time director of admissions in American colleges and universities.

KECK, Winston Bailey. Testing and evaluation practices in New England public schools.

University of California, Berkeley

BUTLER, JR., Henry Emerson. Statutory provisions for school district organization in California.

CRANDALL, James Henry. A study of academic achievement and expenditures for instruction.

HEISS, Ann M. A study of the policies and procedures for the acceptance and administration of sponsored research in six selected institutions of higher learning.

LEIBNER, Hannah Miriam. The organization and administration of home and hospital instructional programs in the unified school districts of California.

MCCALL, Raymond Thomas. Leader opinion: its relation to public opinion as a guide to policy formation.

MCCORMACK, William A. The struggle to secure federal aid for education, 1959-1960.

NEWBERRY, Lawrence Parker. Concurrence of perceived role expectations and effective school administration.

SNIDER, David Marion. The role of school board member as seen by adult citizens and school board members of a small city school district.

University of California, Los Angeles

OLESON, Quentin G. A job analysis of the duties and functions of selected public school business officials.

PHELAN, Arthur E. The administration of the university elementary school of the University of California, Los Angeles, 1882-1957.

University of Chicago

COPPLE, Laura. A model for decision-making in nursing administration.

DAIGNEAULT, George H. The liberal arts department chairman and the evening college: a study in administrative behavior.

FABER, Charles Franklin. The midwest administration center: its first ten years.

FERN, William H. Aspects of problem perception and problem solving in educational administration.

LIPHAM, James Maurice. Personal variables related to administrative effectiveness.

University of Colorado

BRANTLEY, Edward James. A study of the student personnel program at Clark College.

CANNON, Mary Alice. Recommended standards for the use of the practicum in graduate training programs for college personnel workers.

CHRISTENSON, George Arthur. A study of student morale in a junior high school.

HENDRICKS, Harry George. The full-time Negro principalship in Texas.

SMITH, Richard Jacob. A study of the role of the dean of students and his administrative relationships in a selected sample of colleges and universities.

SUNDERMAN, Harold Clifford. The planning period in the accredited public high schools of Colorado.

Colorado State College

BALLOU, Philip Edwin. An analysis of current school expense, budget content, and budget format in selected American cities over ten thousand population.

CAIRNS, Frederick Gordon. A measure of the effectiveness of a supervisory technique in fourth grade arithmetic which supplies teachers with diagnostic test information.

FRIEDL, Alfred Emanuel. The attitudes of eight educational groups toward selected issues of professionalism.

HILL, Floyd C. Secondary teacher education and certification standards in Pacific and northwest states.

JOLLY, James Marvin. A study of Democratic leadership among northern Colorado educators.

KOPLIN, Eldon Arnold. A study of the structuring, functioning, and staffing of governing boards which have jurisdiction or more than one college.

ADMINISTRATION

University of Alabama

DAVIS, Jacqueline Marie Vincent. A study of federal assistance for school construction under the provisions of Public Law 815 with an assessment of the Federal Assistance Program in the State of Alabama.

University of Arizona

BOTSFORD, Helen Virginia. An evaluation of sick leave policies in the public schools of Arizona.

DELON, Floyd G. The "distribution of powers" and the organizational structure of education.

Arizona State University

CASWELL, Gordon G. The development and validation of a cost analysis instrument for a school district warehousing operation.

University of Arkansas

COLLINSWORTH, Bennie Jack. An analysis of the relationship of size of Arkansas high schools to selected qualifications of the high school teaching personnel.

SMITH, Fay Windel. An analysis of the relationship of size of Arkansas high school and the achievement of college-bound seniors.

STARK, JR., Bert. A study of the relationship of size of Arkansas school districts to the relative importance of school board practices.

Auburn University

BENSON, Arthur J. An analysis of a guidance workshop in terms of certain characteristics of its participants.

BONNER, Myrtle Clara Studdard. A critical analysis of the relationship of reading ability to listening ability.

- MANCHESTER, Everett Volney. A study concerning identification of potential leaders among classroom teachers.†
- McKITRICK, Max Oller. An evaluation of faculties and facilities for business teacher education in Ohio colleges and universities.
- PROCTOR, Stanton Harding. A study of voter behavior in the selection of school board members.
- RANCOUR, Laurence Edward. An analysis of master's degree programs for teachers in Roman Catholic women's colleges.†
- SZUDY, Leonard A. A half century of public education in West Allis, Wisconsin, from 1906 to 1959.
- TOWNSEND, William Thomas. A synthesis of doctoral research in educational administration at Colorado State College, 1929-1959.†
- WALDRIP, Donald Ray. A comparison of individual and group processes in certain aspects of rational decision-making.†
- WELLS, Elgin G. W. A study of the daily schedules and time allotments of elementary schools in cities with a population of one hundred thousand or more.
- WILLIAMSON, Lee R. An analysis of discipline practices in selected junior high schools of Texas.
- Columbia University Teachers College
- ADACHI, Seiichi. A proposed program for the counseling and guidance service on the floating hospital.
- ALVERSON, Thomas M. A search for newer instructional techniques among member systems of the Metropolitan School Study Council.
- ANDERSON, Isabel Chandlee. A study of the role of the elementary school principal in Pennsylvania in the student teaching program.
- ANTONELLI, Luiz. Improving guidance for Brazilian schools: a proposed sociocultural approach.
- BAIN, Jessie White. The problems of the aged and the aging with recommendations for improved state programs.
- BARBEE, Don Lee. Indexes of the relative burdens borne by nonproperty taxes in forty-eight states.
- BEACH, Justus Sacket. A study of the exercise of authority and responsibility by elementary school principals in a selected school system. (Joint project with William L. Pharis, Jr.)
- BOYD, James Bridges. The role of the administrator with respect to mathematics education in a comprehensive high school.
- BRAUN, Julius C. Requirements and procedures for equipping a modern senior high school in Central High School District #3, Town of Hempstead, Nassau County, L. I., New York.
- CARPENTER, JR., Henry David. A proposal for developing procedures for the community program of Grambling College of Louisiana.
- CREAMER, Sister Mary Jerome. Development of pre-service collegiate nursing education for the Sisters of Saint Joseph of Wichita, Kansas.
- DELANEY, Raymond Raphael. Personnel policies affecting school bus drivers.
- DOWNIE, Willard Alan. A key to school quality: an administrator's guide.
- ENGELHARDT, Melvin Emil. The administration of safety education in selected school systems.
- FORMAN, Sandra Carlyle. A handbook for community workers.
- FORT, Ada. Planning graduate education at Emory University toward the improvement of nursing practice.
- GORMAN, Alfred Hawley. Status leader behavior with respect to small groups working on curriculum improvement: a conceptual framework.
- HAMBLETON, Donald Charles. An exploratory study of the existing principal-supervisor relationships in two selected elementary school systems. (Joint project with V. Ruth Trauger.)
- HESS, Fritz. An analysis of the codes regulating selected school sanitary facilities.
- HOBBS, JR., Walter R. Cooperative planning for the construction of school buildings.
- HUGHES, William Cave. The expressed opinions of lay citizens regarding their participation in matters of public education in a suburban community.
- KIRKPATRICK, Vivian B. The roles and functions of the health education consultant.
- LANDERHOLM, Merle Edwin. A study of selected elementary, secondary, and school district professional staff deployment patterns.
- LANE, Robert Joseph. An assessment guide for use in Connecticut junior high schools.
- LEIBOWITZ, Herbert H. A community services manual.
- LINDBLOOM, Ray Leander. Public voting behavior on school budgets and bond issues and its relationship to local school property tax incidence.
- LINDQUIST, Donald Mark. Development of an instrument to measure group participation in administrative decision-making in public schools.
- LO GERFO, John Joseph. A program for the education of medical technologists.
- MACKOLIN, William David. A study of staff distribution in New York State central schools.
- MATSON, Wesley Jennings. Selected institutional practices in the organization and administration of student teaching in elementary education.
- MINER, Edwin Harold. Cases for the community college administrator.
- NEWLON, Carl Jesse. A study of the in-service education of high school principals.
- NORWOOD, Otty Ruben. An analysis of the jobs of selected central office staff members in the White Plains schools.
- PAINE, Alan Henry. Developing procedures for establishing programs of mathematics education in certain type colleges with special reference to Marlboro College in Vermont.
- PATTERSON, Roland Nathaniel. Factors related to teacher satisfaction with faculty meetings.
- PHARIS, JR., William Leonard. A study of the exercise of authority and responsibility by elementary school principals in a selected school system. (Joint project with Justus S. Beach.)
- PICKERING, Robert Lance. Registration in transition at the University of Michigan.
- PIPES, Margaret Mabel. Clarification and coordination of student personnel work at Arizona State College at Flagstaff, Arizona.
- PLATH, Karl Richard. The school within a school: a study of the organization of selected senior high schools, with possible applications for Evanston Township High School.
- PLITT, JR., Norman William. Effective public relations practices employed in physical education programs of selected public high schools in New York State.
- RAKIETEN, Helen. The reactions of mobile elementary school children to various elementary school induction and orientation procedures.
- RANDALL, Gerald Archibald. Grievance procedures for public school professional personnel.
- RASMUSSEN, Robert Thomas. A study of differences in the character of the learning environment provided by teachers of high and low ability groups with implications for the development of individual talent.
- RICHARDSON, Don Hugh. The organization, procedures and functions of the local teachers association.
- RICHTER, Marion Morrey. The development of a program of music for Westchester Community College.
- ROCK, William Chalmer. A classification of administrative hypotheses as a guide to future research.
- SALIM, Khalil. A proposal for the reorganization of educational administration in Jordan.
- SIMPSON, George Charles. Insurance practices in the Iowa public high school districts: with recommendations for improvements.
- STOIA, Louis. An investigation of improvement in articulation in a therapy group and non-therapy group of first grade children having functional articulatory speech defects.

SWANSON, Austin Delain. An analysis of factors related to school system quality in the associated public school systems.

SYDEN, Martin. A plan for the integration of the educable mentally retarded in a proposed general education work experience program in Mineola High School, Mineola, New York.

TRAUGER, V. Ruth. An exploratory study of the existing principal-supervisor relationships in two selected elementary school systems. (Joint project with Donald C. Hambleton.)

WALSH, John Edgar. A study of the overt behavioral characteristics of effective teachers of junior high school youth.

WIEBE, Gertrude Ella. Strengthening student-faculty relations through the cooperative research process.

WORLAND, Charles Warder. The cooperative development of a collection of resource materials for use by the consultants of the Wayne County, Michigan, Board of Education.

WRIGHT, John Joseph. Storage facilities needed in a comprehensive senior high school in New York State.

WYLAND, Vernon Richard Dewey. A study of the school plant needs of the public schools of Hamilton Township, New Jersey.

YOUNG, Ward Richard. A survey of the school plant needs of Union Free School District 2, towns of Amenia, Dover, Union Vale, and Washington Dutchess County, New York.

The University of Connecticut

JACOBY, Walter. Policies and practices in the administration of multiple-teacher vocational agriculture departments in the United States.

MACKENZIE, Kenneth Luther. An analysis of the legal interpretations of school law in the State of New Jersey.

Cornell University

BURNS, Lester. Guidance services in central schools of New York State.

O'NEAL, John Furnifold. Citizens advisory committees for public schools in New York State.

THOMPSON, Wardell D. An analysis of the functions and responsibilities of the academic dean of selected colleges and universities in Texas.

University of Denver

JONES, Rolland W. Legal rights and legal liabilities involved in pupil-school relationships in the Colorado public schools.

McNEIL, Alvin J. Administration and organization of selected institutions of higher-learning.

RATLIFF, Loren Stanley. The development of essential criteria for a sound state teacher certification program.

WRIGHT, Floyd King. An examination of practices used in administering student activity programs in selected public senior high schools.

Duke University

TAYLOR, Guy L. Court decisions affecting public school administration in Georgia.

The University of Florida

DUNGAN, James Robert. Relationships between measures of quality, internally variable factors, and externally variable factors in selected Florida secondary schools.

MOODY, Lamar. Economic growth of states as related to share of wealth devoted to public education.

The Florida State University

BACKUS, Thomas A. A study of construction and maintenance costs in relationship to true economy of school operation.

DULA, Thomas C. A study of academic probation and suspension policies and practices and the outcomes of these policies and practices in representative public junior colleges.

GILBERT, Robert Guy. The problems of beginning supervisors in Florida schools.

GUTSCH, Kenneth Urial. A survey of student personnel services in selected Florida community junior colleges and the attitudes of presidents, student personnel officers, faculty members and students toward these services.

KIEFER, John U. G. A study of white non-Florida resident students enrolled in selected Florida colleges and universities for the first time in the fall, 1958.

MAYFIELD, JR., Ira Cook. An evaluative analysis of Mississippi's program for financing public elementary and secondary education.

Fordham University

CAULFIELD, Patrick J. The administration of job placement programs for men in Catholic colleges in the United States.

HAAS, Edwin J. Responsibility for and evaluation of administrative practices in caring for socially and emotionally maladjusted pupils in junior high schools.

JOHNSON, Ruth B. Factors affecting the financing of private Negro colleges and universities in the United States.

KANE, Victor G. Social experiences of seniors in education on the campuses of the municipal colleges of New York City.

LESCOE, R.N., Marie E. Practices existing in selected areas of programs in approved schools of practical nursing.

LEVESQUE, Therese A. Approved public summer secondary schools in New York State.

Harvard University

BARRETT, Charles Raymond. Direction of the organization and implementation of a regional high school district to serve the Clarendville, Newfoundland, area.

BOWERS, Paul Rudolph. Development of a community college center for Lake County, Ohio, and surrounding area.

FANTINI, JR., Mario. The planning and development of a pilot internship teaching program in special education through a collaborative arrangement between teachers college, Temple University, and the public school system of Philadelphia.

GOODMAN, Richard Hyman. A plan to improve the educational information services of the New Hampshire State Department of Education.

JACKSON, Robert Stanley. Initiating an instructional planning program with the faculties of the schools of Union 25, in Massachusetts.

LINDIA, John. Coordination of a salary policy for the administrators of the Concord public schools, Concord, Massachusetts.

SHROSBREE, Alfred Gordon. Coordination of a program to discover and develop board of education policies and administrative procedures for the Roslyn, New York, public schools.

WATSON, Hugh McGarrah. Coordination and development of a senior high school curriculum improvement program, Milton, Massachusetts.

WELLING, JR., Edward Anthony. Development of a curriculum development organization (Beverly, Massachusetts).

University of Houston

HILL, Wallace Charles. An objective analysis of the potentials for school district reorganization in a nineteen-county area of southeast Texas.

LANDRITH, Harold Fochone. A study of the academic backgrounds, professional experiences, and administrative duties of Texas public junior college administrators.

PIERCE, Paul Edward. The construction of scales for predicting ability to play inter-scholastic basketball.

University of Illinois

DODDS, JR., James Harvey. A study of the methods used by school boards in studying local patterns of administrative organization and staffing.

HOLLOWAY, William Jimmerson. Special educational services provided by intermediate school districts in standard metropolitan areas.

ROSS, George Edwin. A study of informal communication patterns in two elementary schools.

Indiana University

DRUMM, Enoch Spencer. Public school discipline in cultural perspective.

GOUSHA, Richard Paul. A suggested revision of the distribution formula for state support of public schools in the state of Indiana to encourage the development of adequate local school districts.

HOERNER, Sister Marie William. An analysis of student expenditures in high schools for girls staffed by the Sisters of Providence of St. Mary-of-the-Woods, Indiana.

JONES, Herbert Merle. A proposed foundation program for Indiana.

SCHILLING, Paul M. Opinions of selected Indiana school officials toward James B. Conant's recommendations for American high schools.

State University of Iowa

BASLER, David Baryl. An investigation of certain factors influencing the optimum size for elementary school attendance units.

GREEN, Norman Scott. A multi-perceptual study of central staff expectations and performers in selected Iowa school systems with enrollments between 2,000 and 25,000.

LINDSAY, Donald Bryce. An investigation of current administrative and supervisory practices and problems in large elementary schools in Iowa.

University of Kansas

ALEY, Tilghman Howard. The relative effectiveness of nineteen measures in predicting college success as measured by grade-point averages.

BLACKBURN, Harold Lee. The extent of use of radio and television facilities for the school public relations programs as reported by selected schools.

MALONE, Charles Frederick. Attitudes of teachers toward supervisory services employed by building principals.

WILSON, Frank Edward. A study to determine the extent of need and the feasibility for establishing a program of special reading services within the public school system of Topeka, Kansas.

WOLFE, Benny W. An experiment in elementary school reorganization for educational television in Wichita, Kansas.

University of Kentucky

GOODPASTER, Robert L. A study of policies and procedures for determining salaries and promotions in rank for the College of Arts and Sciences, University of Kentucky.

GUNKLER, Oscar Henry. A study of effects of a daily intensive physical education program on a group of high school students.

SMITH, Frisby Davis. An analysis of the evaluations made by selected Virginia elementary teachers of their pre-service professional preparation.

SMITH, John Thomas. Programs of preparation for school administration in Negro graduate schools.

TATE, Horace Edward. Some characteristics and perceptions of the Negro undergraduate of the University of Kentucky.

Loyola University

(BIRNEY,) O.P., Sister Jane Dominic. The development of departments of education in the Catholic universities and colleges in Chicago, 1910-1958.

University of Maryland

KOCH, JR., Moses S. Procedures for developing an Associate in Arts degree curriculum to train planning assistants.

RIGON-VALDEZ, Esperanza. Case studies of the function of the office of the academic dean in selected colleges in the District of Columbia and the State of Maryland.

SHAFER, Byron Henry. A study of scholastic change in a specified school population.

STRASSER, JR., William Carl. An analysis and evaluation of the practicum in personnel relationships.

University of Michigan

BRAZELL, Robert Edward. A follow-up study of public school driver trainees, relating driving performance records to selected academic and training factors.

EL-AGIZI, Samiha Mikhail. A comparative study of the characteristic working patterns of secondary school principals in Michigan, U.S.A. and Egypt, U.A.R.

KRUSCHWITZ, Walter Hillis. Research and its sponsorship in undergraduate college physics departments.

MICHAEL, Calvin Bruce. Social class and educational attitudes: a study of their relationship and of the social composition of boards of education in Michigan cities above 10,000 population.

OWEN, Ben. Factors associated with the educational administration of schools in Michigan school districts adjudged to have superintendents of schools who are among the more effective in the state.

PALMER, Donald Herkimer. Comparative judgments regarding fulfillment of career expectations of graduates in accounting and in business administration at Wayne State University after a decade of practice.

WILLIAMS, John Pennington. Matching needs and facilities for higher education in Canton.

Michigan State University

BUSCHMAN, Melvin Clarence. An analysis of the effects of the Michigan secondary school-college agreement upon four-year Michigan college admission officers from 1946-1959.

CRAWFORD, Ferris N. A study of selected factors relating to college enrollment of public high school graduates within six months after graduation.

GORK, Edward Ramon. A comparative study of selected elementary school teachers' and administrators' attitudes toward instructional television programs and related problems.

KIMBALL, John Robert. Analysis of institutional objectives in Michigan community colleges.

MCCALL, Harlan Richardson. Problems of new faculty members in North Central Association colleges and universities of less than 3,000 enrollment.

MC NICHOLAS, JR., John Joseph. The development of educational criteria for new elementary school buildings in Chicago.

PANICKAVEDE, Paul Louis. An analysis of the effectiveness of administration of education of the federal government of Free India.

REYNOLDS, William McClellan. The role of the chief student personnel officer in the liberal arts college.

SMITH, Rex Beach. A comparative study of the expectations which teachers, administrators, school board members and citizens of three school districts have of the teacher's role in school and community.

TOUSSI, Mohammad Ali. Superintendent's perceptions of decision-making in the Iranian schools.

WOODB, Wayne Dean. An analysis of national and state pupil transportation with special emphasis on cost factors in ten selected Michigan counties.

University of Minnesota

BRAUN, Frank Raymond. A study of the relationships in the planning for school buildings between the city planning agencies and school authorities in American cities over 100,000 populations.

LYNCH, Patric Daniel. A comparison of expectations of the superintendent's exercise of social power in the State of Minnesota.

MARKER, Robert Winslow. A comparative analysis of selected generalized formulas for the distribution of state aid for school plants in Minnesota.

SMITH, Frank Henry. An evaluation of the intermediate unit of public school administration in Minnesota with a plan of reorganization.

TRACY, Norbert John. Orientation of new faculty members in north central colleges and universities.

University of Missouri

ALLISON, William Lawson. A comparison of concepts of the role of parents in the activities of the elementary school.

ELSEA, Bobby D. Current practices in the administration of fire-insurance programs in Missouri public schools.

GADALLAH, Soad Soliman. Decentralization of educational administration in Egypt, and its effects on the schools of Giza Zone.

LAMB, Luke Francis. Planning closed circuit television systems for laboratory schools of colleges of teacher education.

SCHERER, Harlan Leonard. Procedures and factors involved in the selection of industrial arts teachers and their relationships to rated teaching success.

WYSS, Donald Fount. Certain characteristics and activities of school board members in Missouri.

The University of Nebraska

COLON, Vicente Antonio. A survey of the public relations programs in selected school systems.

JANTZE, Ralph Dale. An analysis of the relationship of accreditation, finance, and size of Nebraska high schools to scholastic achievement.

MITCHELL, Jerry Burnett. Merit rating of teacher personnel.

MULLENS, Lyle Linford. Evaluation of pre-service ratings as predictors of teacher success.

OVERTURE, Donald Sheldon. The history of New Mexico Western College.

REECE, Jerald Leonard. An evaluation of two types of vertical school organization in a selected school system.

ROTHROCK, Dayton G. An evaluation of three approaches to the teaching of reading.

SCHULTE, Bill Henry. Teacher load in Nebraska cities between 1,000 and 5,000 population.

SISSON, Silvanus Hull. Planning the junior high school library program.

TEXLEY, Lloyd Clair. Principles and techniques for the selection of outstanding teachers.

WALKER, Cecil Everette. A survey of internship programs in educational administration.

University of New Mexico

COCKRELL, Lloyd Laverne. An analysis of the allocation of state support to pupil transportation in New Mexico.

New York University

COLLINS, James Joseph. A handbook for school board members in New York State.

DEJNOZKA, Edward Ladislav. Opinions of school board members and reported willingness to support increased costs.

DE PROSPO, Chris Joseph. An administrative handbook for the Bureau for Children With Retarded Mental Development of the New York City public schools.

HAGADORN, Beulah. A personalized public information program for a city school district.

HUNGER, Edwin Le Roy. Personnel policies for the schools of Poughkeepsie as a result of a study of the personnel factors affecting the morale of the teachers in the Poughkeepsie public schools.

LEWIS, Laird William. Planning by principals for new junior high school educational programs.

ST. CLAIR, Charles Thomas. The administration of extracurricular funds in Connecticut public secondary schools.

WEITZ, Leo. The high-school principal in New York City: a study of executive responsibility in theory and practice.

The University of North Carolina

BEAM, Homer Edwin. An analysis of socio-economic trends as an aid to program planning in vocational agriculture in North Carolina.

NELSON, Robert Eugene. A competency pattern in school transportation for North Carolina principals.

University of North Dakota

BLIKRE, Clair Talmer. The positive and negative factors involved in successful and unsuccessful school district reorganization proposals in North Dakota.

ROSE, Howard C. A study of the competencies needed for junior high school principals.

SANDS, Frederick Hjalmer. An analysis of opinions held by selected groups concerning the teaching of chemistry in North Dakota high schools.

WENAAS, Harold L. An accounting system for pupil transportation in North Dakota.

WILLIAMS, Lloyd E. Socio-economic criteria as the basis for intermediate school districts in North Dakota.

North Texas State College

CAMPBELL, Ona Lee. The relationships between eight situational factors and high and low scores on the leadership behavior dimensions of instructional supervisors.

HILL, JR., Thomas Barlow. The relationships between teacher morale and the ability to establish rapport with pupils and other selected variables.

MCGREGOR, Alfred Louis. A study to determine the adequacy of Texas public school transportation service and support under the Foundation Program Act.

SHIELDS, Mayron. An analysis of the purchasing practices in small school systems in Texas.

Northwestern University

PRICE, Alfred John. A study of the interactions of attitudes and values of elementary principals and their staffs.

Ohio University

SEE, Jacob Harrel. Relationships of certain business management practices to quality of education as indicated by pupil achievement and administrative variables in selected schools.

The Ohio State University

ALTER, Charles Francis. An appraisal of problems related to future enrollments at Ohio Wesleyan University.

DULL, Lloyd William. Criteria for evaluating the supervision program in school systems.

EVANS, Max Wellington. An analysis of programs for evaluating probationary teachers for tenure in selected Ohio school districts.

GIBBINS, Neil Louis. A study of administrators' opinions on selected situational factors as related to practices.

SMITH, Clifford Basil. A study of the optimum size of secondary schools.

WALTER, Robert Louis. The feasibility, practicality, and acceptability of co-operative action among Ohio independent suburban school districts.

The University of Oklahoma

BRACEY, Isaac Cornelious. The high school principalship in South Carolina.

DUNCAN, Roger Lee. The prediction of success in eighth grade algebra.

WILSON, Maynard Roland. The opinions of presidents of boards of education in Oklahoma concerning certain practices pertaining to teacher welfare and security.

University of Oregon

HADDOCK, Austin Edward. A study of time utilization by Oregon elementary school principals and a criterion for time apportionment.

HOLDEN, Louis Edward. Communication and decision-making in school board-superintendent relations: a case study.

OSIBOV, Henry. Professional and public perceptions of superintendent behaviors.

The Pennsylvania State University

COLEMAN, Ralph Eugene. A proposed performance formula for the reimbursement of the school districts of Pennsylvania for expenditures for public school pupil transportation.

DOVERSPIKE, James Eugene. Individualization of pre-matriculation prognosis of collegiate academic achievement.

FAUST, Beaver Stanley. Validation of the claimed advantages when school buildings are constructed and financed by the state public school building authority method in Pennsylvania.

FREMONT, Walter Gilbert. Administrative competencies in Christian day schools.

HAYES, Robert Bennett. A measure of student attitude towards teaching effectiveness.

RISHEL, Darrell Fred. The development and validation of instruments and techniques for the selective admission of applicants for graduate studies in counselor education.

SHOWERS, Lloyd Wharton. Changing functions of the county superintendency in Pennsylvania schools.

WEBER, Earl Mervin. A comparative study of industrial technology programs in American colleges and universities, with industrial arts teacher education and technical institute programs.

University of Pittsburgh

CRITCHFIELD, John Geary. Legislation affecting pupil transportation in the United States.

GAMBERONI, Narciso Louis. An analysis of Appellate Court decisions determining the authority of boards of education and their agents to establish rules and regulations governing the conduct of pupils, 1900-1960.

LAWSON, James Dean. A survey of the professional practicum course of the state colleges of the Commonwealth of Pennsylvania.

ROUSH, Jack Joseph. Preferred and present practices in utilizing lay participation in educational affairs in Pennsylvania.

SHUMA, Edward T. The policies and practices relating to the organization and administration of curriculum in three and four year junior high schools of Pennsylvania.

TOTH, Kolman Frank. Separation from the teaching profession on the part of those receiving the master of education degree from the University of Pittsburgh.

Rutgers University

FANDT, Edward Lloyd. A study of the practices of New Jersey boards of education in protecting school property against losses due to vandalism and malicious mischief.

GODLEWSKI, Stanley Peter. Problems in public school district and municipal government relationships.

HANCOCK, Joseph Thomas. The development of a descriptive framework as a basis for evaluating an elementary school.

St. John's University

BEHRINGER, O.S.F., Sister Olive Marie. The relationship between faculty group dimensions and leadership practices effective in accredited pre-service schools of nursing.

BELY, Jeanette Lobach. A survey to determine a basic secretarial curriculum in collegiate schools of business.

BOEGEL, Thomas Joseph. The potential resource for teachers from the rank of retiring military personnel.

HALL, R.S.M., Sister Mary Bonaventure. A survey and appraisal of public relations practices in Catholic secondary schools.

KELLY, Patrick Joseph. The status and duties of the department head in public secondary schools in the middle states region.

PRUSMACK, Armand Jon. A study concerning the attitudes of corporation presidents toward graduate business education.

University of South Carolina

JOYNER, Judith Rebecca. An analysis of state educational policies and practices in South Carolina relating to school age youth not enrolled in school.

University of Southern California

ARTUSO, Alfred Anthony. Motivation of the language arts program in grades four, five, and six through instruction in typing.

BOLLING, Rexford Wells. Aims and objectives of elementary summer schools in the United States.

BRAUN, Everett Charles. A model contract for the employment of public school superintendents in California.

BRUNNER, JR., Robert T. The internal administrative organization of three year junior high schools.

CAMPEN, George Palmer. The selection, administration, and content of health insurance plans for public school district personnel.

ELLIS, Daniel Russell. An evaluation of the assignments and levels of public school business functions.

FOUTS, Forest Merle. Sabbatical leaves and California certificated public school employees.

GARCIA, Genero Bruno. Junior high school size.

GARDNER, Wallace Bennion. The organization and administration of summer school programs in California unified school districts.

GREENFIELD, Curtis Ottawa. A study of the teacher tenure law in Arizona.

HART, Robert Newton. An analysis of the position of the elementary school guidance counselor.

JORDAN, Clifford Way. Pupil transportation liability and insurance.

LEPICK, John Andrew. Personal and professional characteristics of elementary school principals.

LOVIK, Hugh Douglas. Budget procedures in California.

MORTON, Robert Clayton. The organization and relationships of school personnel departments in cities of 100,000 to 500,000 population in the United States.

PACKARD, JR., John Cooper. Observable changes in special services associated with unification.

PACKWOOD, Harold Samuel. An appraisal of school district organization in Imperial County, California.

PHLEGAR, Frederick Lee. Administrative arrangements for supervision of custodians.

PREECE, Thomas W. The selection, training and evaluation of school bus drivers in California.

STICHTER, Charles Robert. School district participation in community recreation programs in California.

WALKER, Paul. Court decisions dealing with legal relationships between American colleges and universities and their students.

WALSH, James Peter. Faculty personnel administration at the United States Marine Academy: the college teacher in the federal service.

Stanford University

BOYCE, Richard Dudley. An empirical evaluation of five tests for administrator selection: the composite study.

CLARK, Margaret Louise Walton. Charles Hubbard Judd: educational leadership in American secondary education.

DAFOE, Donald Malcolm. Federal government requests for educational information and their significance for the U.S. Office of Education.

EBERT, Francis John. An empirical evaluation of five tests for the selection of elementary school principals.

HARWOOD, William Benton. Curricular offerings and drop-out in evening programs of California public junior colleges.

HENDERSON, Wayne Larson. The bases on which teachers are recommended for dismissal.

HIGH, JR., Sidney Cooke. The joint Philippine-American project for expanding and improving vocational industrial education in the Philippines, 1951-56.

JAMES, Kenneth Raymond. An empirical evaluation of five tests for administrator selection in a metropolitan school district.

KEOUGH, George Francis. Planning the School of Education in an expanding Seattle university.

LOVELESS, Edward Eugene. School expenditures and per capita income.

MEADVILLE, Harry William. The relationship of initial school plant cost and building compactness in secondary school buildings.

MOORE, Robert Burkland. A comparison of test performance and current status of administrative candidates in twenty-four school districts.

NEWELL, Dwight Hillis. Relationships between state legal provisions and school-community interaction.

NEWMAN, William Henry. Factors affecting leadership.

RICHARDSON, Norman Clifford. Planning central office facilities for local school districts.

SAVARD, William George. Voter turnout in school financial elections.

TRUSTY, Francis Marion. Perceived factors in the school-community relationship and school financial support.

Syracuse University

KIM, Sung-II. A study of certain aspects of educational administration and their historical roots in the Republic of Korea.

Temple University

COPLEIN, Leonard Edwin. A ten-year study of retardation and elimination in the Camden City public schools.

The University of Tennessee

CUNNINGHAM, JR., James Floyd. Machine data processing for educational administrators: problems and solutions.

HENRY, Earl Winston. Driver education in Tennessee public schools: an appraisal of administration, instruction and personnel.

NEWTON, Alfred Franklin. An analysis and evaluation of industrial arts teacher education programs and teacher personnel needs in South Carolina.

PETERS, Ralph Martin. The effectiveness of internal communication in selected school systems in east Tennessee.

ROADEN, Arliss Lloyd. An analysis and synthesis of theory constructs in educational administration.

SCHATZ, Frederick Carl. A study of the reconstruction of education in the United States zone of Germany with emphasis on the social studies.

SMAWLEY, Robert Bowser. Typal sets and syndromes of administrative behavior.

WEAVER, Andrew Malcolm. The philosophic orientation of doctoral students in educational administration.

The University of Texas

BAILEY, Joe Allen. A critical analysis of the organization of a closed-circuit microwave television network for eleven colleges and universities in central Texas.

BRYANT, Bill Bernice. Certification requirements for elementary-school principals in the United States and Puerto Rico.

MITCHELL, Joe Edd. A study of the tertiary trade area as an intermediate school administrative unit in Texas.

RAMBO, Ernest Steele. A critical analysis of plant rehabilitation, modernization, and new construction needs of the San Antonio Independent School District for the school years 1960-1961 through 1965-1966.

SIDNELL, JR., Robert Gebhardt. The influence of the Tyler Junior College on the fine arts culture of Tyler, Texas.

Texas Technological College

MARCOM, Orval Weldon. An evaluation of local financial support of education in Texas by selected school districts.

MATHEWS, Charles Frederick. A history and evaluation of the five year study project of the Texas Association of School Administrators.

University of Tulsa

JACKSON, Vernon Orville. A comparative study of parents' opinions regarding certain aspects of public elementary education in Tulsa, Oklahoma.

University of Utah

BACKMAN, Ralph Vernon. An analysis of the intellectually superior high school senior in the Salt Lake City schools, 1957-58.

BELL, Terrel Howard. The characteristics of Weber School District teachers who had positive and negative attitudes toward a major change in the district's instructional program.

KHOURY, Joseph Farjallah. Arabic teaching manual with an analysis of the major problems American high school students face in learning Arabic.

PRPICH, John Michael. The six-year high school in Utah.

SCHRODER, Lawrence Druce. Utilization of elementary school sites in the Salt Lake City elementary schools.

Washington University

BAILLIE, Gordon Stuart. An investigation of objective admission variables as they relate to academic and job success in one graduate library education program.

BUTTON, Henry Warren. A history of supervision in the public schools, 1870-1950.

University of Washington

ALLAN, Melvin Arthur. Relationships among law, policies recommended by educational organizations, and practices of Washington state school districts in matters concerning teachers contracts.

FRISK, Jack Louis. Current practices in the staffing of administrative and supervisory functions in first class school districts in the state of Washington.

Washington State University

ERICKSON, Clifford Albert. The feasibility of establishing one or more junior colleges or extended secondary programs in the North Central Columbia Basin area.

HAINES, Lewis E. An evaluation of the fire-B and the epps for predicting college roommate compatibility.

JAEGER, Herman F. An analysis of critical administrative educational problems in the Columbia Basin.

SHOLD, Walter Oliver. Alternate possible patterns of development for the office of the county school superintendent in Oregon.

Wayne State University

ALLEN, Arthur Thomas. Teachers in the becoming: a case study of an initial professional experience for prospective elementary school teachers.

BROWN, Kenneth Willis. An administrative survey of the special education program in Oakland County, Michigan.

CARROLL, Emma C. A study of the mathematical understanding possessed by undergraduate students majoring in elementary education.

FORSTER, Edith Caroline. An evaluation of the field trip in the formation of social concepts and generalizations.

HAGGIS, JR., Arthur George. An appraisal of the administration, scope, concept, and function of the United States Army troop information program.

RIoux, Joseph William. The extent, form, and future of educational provisions for dropouts.

SEABERG, Dorothy Irene. Experiencing the role of the teacher: a case study of pre-service elementary school teachers practicing role function behaviors.

SILAGYI, Dezo Vincent. A critical analysis of attitudes of selected elementary students toward television teaching in the Detroit television teaching project.

SIMMONS, William. An appraisal of federal assistance of educating children in localities affected by federal activities: Public Law 815 and Public Law 874.

THORIN, Frederick David. A study to determine the accuracy with which selected secondary school principals perceive the role expectations held for them by their staff and superintendent.

WEBB, Wilfred Dwight. An evaluation of the Hazel Park Youth Protection Committee approach to the juvenile delinquency problem.

Western Reserve University

HONAKER, Linton Richard. County high school supervision in northeastern Ohio.

KIM, Eun Chol. The interpersonnel climate as reflected in the administration of suburban public secondary schools.

The University of Wisconsin

BARDWELL, Roger Willis. Differences in perception of citizens and teachers about educational issues.

BRAGG, Desmond Halcomb. A study of the size-cost-achievement relationships in the reorganized school districts of Wisconsin.

CARTER, JR., George La Rome. An analysis of factors related to the programming role of the state 4-H Club leader in selected states.

HARVEY, John J. A comparative analysis of the functions of specialists in the cooperative extension service, by broad subject areas.

HYATT, JR., George. Some bases for coordination of cooperative extension programs with research and resident instruction in selected land-grant institutions.

KING, Emily Elizabeth. Relationships of personal value systems to a measure of job satisfaction among personnel of the Florida agricultural extension system.

REIELS, James Otto. Teachers' opinions regarding merit rating as related to certain personal and situational factors.

RICHERT, Marlys Ruth. A study of factors influencing coordination of resident-instruction, research and extension in home economics in selected land-grant institutions.

TRENT, Curtis. The administrative role of the state 4-H club leader in selected states—a study in role perception.

University of Wyoming

ASHE, James S. A comparative study of teacher load in Wyoming's public high schools.

MOOREHOUSE, JR., William F. An evaluation of inter-class grouping for reading instruction in the intermediate grades.

ADULT

University of California, Berkeley

REINHART, Bruce Aaron. Education for institutional security: a study of the institutional character of adult education in the church.

University of California, Los Angeles

CRATTY, Bryant J. A comparative study of the relationship of learning a fine motor task to learning a similar gross motor task, based on kinesthetic cues.

DODSON, Roy E. E theoretical base, a structure, and a process in art education to promote individual creativity.

MACDONALD, John. Citizenship activities of graduates from nineteen California public junior colleges.

University of Chicago

AXFORD, Roger. William Henry Lighty: adult education pioneer.

CHAMBERLAIN, Martin N. The professional adult educator: an examination of his competencies and of the programs of graduate study which prepare him for work in the field.

KNOWLES, Malcolm S. The development of a co-ordinated adult educational movement in the United States.

Columbia University Teachers College

KREUTER, Mortimer. A descriptive study of the organizational and instructional processes used in an exploratory class for aging hospitalized persons.

SCHWARTZ, Carl Fredrick. A study of music offerings in selected public school adult education programs in the State of New York.

The University of Connecticut

JEFFERS, Albert Leonard. A study of the organization and administration of university non-degree credit certificate programs for adults.

Cornell University

FARQUHAR, Reginald Noel. Comparative extension education in Anglo-Saxon countries with particular reference to Australia.

GAMBLE, William Keith. An analysis of agricultural education, training and personnel requirements as a basis for national development in Burma.

SMITANANDA, Phanom. Training programs for extension field workers in Thailand.

SOHAL, Takhat Singh. The role and development of voluntary village leaders in programs of community development in the Punjab (India).

STROUP, George Earl. Oklahoma wheat producers attitudes, opinions, and knowledge of government wheat programs and related public affairs issues.

WHITE, Maurice Everett. The Wisconsin county agricultural agent and his use of mass media.

The Florida State University

GAMBILL, Dorcas D. A pilot study to design a methodology for determining community services in the small church-related junior college.

PATTYSON, Jack W. The influence of certain factors on attendance in public school adult education programs.

WELCH, John M. An evaluation of three adult education methods for disseminating trade information to Missouri restaurant operators.

Michigan State University

FRYMIRE, Lawrence Terrell. A study of the factors influencing the acceptance or rejection by program directors of Michigan radio stations of adult education programs produced and distributed by radio station WKAR, Michigan State University, East Lansing, Michigan.

New York University

TUNKEL, Leon S. Policies and procedures in adult vocational-industrial education in New York State based on a consideration of the history and development of the program, 1917 to the present.

The Ohio State University

WILLIAMS, Glenn David. The community college in Ohio.

The University of Oklahoma

McGEE, Howell Walton. Guidance needs of the adult extension student of the University of Oklahoma.

University of Southern California

KUNSEMILLER, III, Charles Frederic. Recognized educational needs of independent retail store owners in selected cities in California.

The University of Wisconsin

NORBY, Oscar Woodrow. An appraisal of long-time cooperative extension program planning in Waupaca County, Wisconsin.

SUBAIMA, Guthikonda Venkata. A comparative study among 4-H girls of four years and over one and two year 4-H drop-outs and non 4-H girls of ninth grade in ten selected communities of Wisconsin to determine differences in school achievement and social behavior.

HISTORY

University of Alabama

DOTSON, James Ray. The historical development of the State Normal School for white teachers in Alabama.

WILSON, Charles Everett. A study of the background and passage of the National Defense Education Act of 1958.

University of Arkansas

FISHER, Gerald Homer. The development of school district reorganization in Arkansas.

LITTLE, Milburn Judson. Accounting education in Arkansas, Kansas, Missouri, and Oklahoma.

University of California, Berkeley

MYERS, James Edward. The educational work of Andrew Jackson Moulder in the development of public education in California, 1850-1895.

WATSON, James E. A history of political science at the University of California, 1875-1960.

University of California, Los Angeles

DAVIDSON, Adele K. A history of the California Association for Adult Education.

LA BOUGTY, JR., Hugh O. Edwin A. Lee: portrait of an educator.

WATTS, Doris Paige. Changing conceptions of competitive sports for girls and women in the United States from 1880 to 1960.†

University of Colorado

FRASER, Stewart Erskine. Some aspects of higher education in the People's Republic of China.

Colorado State College

FORD, Lester Harlan. A history of San Marcos Baptist Academy, 1907-1959.

Columbia University Teachers College

FLANAGAN, Lance. The history of volleyball in the United States.

JONCICH, Geraldine M. Science, psychology, and education: an interpretive study of Edward L. Thorndike's place in the scientific movement in American education.

RAYBURN, John William. Gregorian chant rhythm: a history of the controversy concerning its interpretation.

The University of Connecticut

GOODING, Earl Nathaniel. Education in Trinidad—past and present.

MIDURA, Gladys Adele. A critical history of public secondary education in Springfield, Massachusetts.

ZILLI, Frederick Joseph. A critical analysis of the pedagogy of Rabelais and Montaigne with its reflections on curriculum today.

Cornell University

MCKEAN, John Rosseel Overton. Wells College student life 1868-1936.

Fordham University

CARLIN, O.P., Sr. Francis Maureen. The educational work of the Amityville Dominicans in Puerto Rico (1910-1960).

FREEMAN, Leslie G. A history of the Vocational Education and Extension Board of Rockland County, New York, 1931-1959.

University of Houston

SOBRINO, Josephine. The influence of the continuing cultural patterns reflected by pertinent folklore of selected Indian tribes on the education of Mexico.

University of Illinois

BOWEN, James Ernest. Anton Makarenko and the development of Soviet education.

CHOI, Sung Pyo. The problem of reconstructing Korean education in historical perspective.

The Johns Hopkins University

PETERSON, JR., Charles Edwin. Theron Baldwin and higher education in the Old Northwest.

University of Kentucky

COLLIER, Robert Lee. The Kentucky Court of Appeals, religion, and the public schools: 1891-1960.

University of Michigan

GONZÁLEZ-BAQUERO, Rafael. A historical analysis of Venezuelan education with particular reference to programs of rural education.

GOODMAN, Frederick Lewis. The critics of John Dewey.

LINTON, Thomas Edwin. A historical examination of the purposes and practices of the education program of the United Automobile Workers of America, 1936-1959.

Michigan State University

FRIEDMAN, Burton Dean. Higher education in the United States perceived as a social system.

The University of Mississippi

GODLOVE, Lewis William. A history of the growth and development of Mississippi Education Association.

University of Missouri

ZEPPER, John Thomas. A study of N. K. Krupskaya's educational philosophy.

New York University

FILIPPONE, Frank John. Secondary education in New York State under Draper, Finley and Graves: a comparative study of the first three commissioners of education.

MURPHY, Ella Louise. Origin and development of Fayetteville State Teachers College, 1867-1959—a chapter in the history of the education of Negroes in North Carolina.

SCHNEER, Richard James. Juan Huarte de San Juan and his "Examen de ingenios." A sixteenth-century Spanish contribution to education.

The University of North Carolina

BEST, John Hardin. A history of the development of the concept of citizenship education in America, 1900 to 1950.

Oklahoma State University

DENSFORD, John P. The educational philosophy of Thomas Jefferson.

University of Oregon

BILLINGS, Thomas A. The old order Amish versus the compulsory school attendance laws: an analysis of the conflict.

The Pennsylvania State University

HAMMERMAN, Donald Robert. A historical analysis of the socio-cultural factors that influenced the development of camping education.

JOHNSON, Royce Oliver. An historical study of the *Pennsylvania School Journal* with reference to the enactment of educational legislation, 1852 to 1952.

SAUNDERS, Robert James. The contributions of Horace Mann, Mary Peabody Mann, and Elizabeth Peabody to art education in the United States.

WILLIAMS, Jack Eugene. A historical study of education in Milton, Pennsylvania.

St. Louis University

KENNEDY, O.S.F., Sister M. St. Mel. The changing academic characteristics of the nineteenth-century American college teacher.

University of Southern California

BEERY, Cleo C. Public schools and religion: the opinions of nine eminent educators.

ROGERS, John Allan. A history of school organization and administration in Ventura County.

Stanford University

NEWMAN, JR., Robert Ernest. History of a civic education project implementing the social-problems technique of instruction.

The University of Texas

CLARK, Clatie Eleanor. B. F. Pittenger and education.

SHUNK, William Roy. The educational contribution of the Hebrew prophets.

Washington State University

Mc GIVERN, James Gregory. First hundred years of engineering education in the United States (1807-1907).

The University of Wisconsin

TOSTBERG, Robert Eugene. Educational ferment in Chicago 1883-1904.

VERRILL, John Earl. The preparation of general elementary teachers to teach science: 1870 to the present.

PHYSICAL

Boston University

CISZEK, Raymond A. The effect of systematic weight training on flexibility, speed, and strength in adolescent boys.

MILEFF, Edward. A determination of the discriminatory power of high school seniors to evaluate commercial advertisements in popular periodicals upon the authenticity of their health value claims.

PLOTNICKI, Ben A. The development of an instrument for evaluation of an in-service graduate assistantship program in physical education and recreation.

University of California, Berkeley

LAKIE, William Loren. Personality characteristics and competitive attitude of certain groups of intercollegiate athletes.

University of California, Los Angeles

HUBBARD, Elisabeth Vickery. An experimental investigation of the phenomenology of kinesthetic perception in its relation to certain measures of movement capacity.

JORRIS, Thayer Rodell. The relationship between abdominal muscle shortening and anterior-posterior pelvic tilt.

NUNNEY, Derek Normond. Physical activity fatigue and motor learning.

University of Colorado

EL HABASHI, Zaki Ibrahim. Suggested principles for a physical education activity program for modern Egyptian universities.

WEBER, Victor Duane. The effectiveness of selected muscular strength developing methods when applied to low-strength subjects.

Colorado State College

CYPHERS, Vincent Arden. A study to determine the significant outdoor experiences for elementary teachers.†

GENASCI, James E. A study of the effect of participation in physical education activities and athletics on reaction and movement time.

MONTGOMERY, Robert Addison. The effect of knowledge and application of the mechanical principles of force and projection upon selected physical performance test items.†

PRYBYLOWSKI, Florence. A comparative study of the relative effectiveness of two methods of teaching beginning swimming to children.

SORGE, Robert William. The effects of levels of intense activity on total body reaction time.

Columbia University Teachers College

BLOCKLEY, Gabrielle Elizabeth. A study of undergraduate professional preparation in physical education for women in selected colleges with implications for Central Connecticut State College.

LEWIS, Clifford Gray. Expressed values of college women at the University of Georgia concerning selected social factors related to acceptance and participation in physical education.

MEISTER, Raymond. A study of the professional preparation of the personnel who teach professional health education courses in California state colleges.

SCHAFFER, Harold Oscar. Various determinants which influence young men in selecting physical education as a career in New York State.

SHERILL, Claudine Joan. The case method approach to the professional preparation of college teachers in the general educational program of physical education.

SHEVLIN, Julius B. Shooting sports in secondary school programs of physical education.

WINKIN, JR., John W. Coaching intercollegiate baseball through "situation study" techniques.

George Peabody College for Teachers

PARTIN, William Clyde. A comparison of three approaches to improving general motor ability.

TRICE, Ethel Preston. The influence of George Peabody College for Teachers on physical education in southern colleges.

University of Illinois

BERGER, Richard Anthony. The effect of varied weight training programs on strength and endurance.

KNOWLTON, Ronald Gordon. A ballistocardiographic investigation of cardiac responses to physical training with a select group of adult males.

METIVIER, Joseph Guy. The effects of five different physical exercise programs on the blood serum cholesterol of adult women.

MOORE, JR., Asbury Cummings. Origins of thirty-three sports.

State University of Iowa

CAMPBELL, Robert Lee. The effects of participation in selected programs of weight-training on the physical fitness of athletes.

CAMPNEY, JR., Harry Ketchum. The work required to produce changes in cardiovascular fitness.

IKEDA, Namiko. A comparison of physical fitness of children in Iowa, U.S.A. and Tokyo, Japan.

JOHNSON, Robert Darwin. Measurement of achievement in fundamental skills: elementary-school children.

MERRIFIELD, Homer Hamlin. An electromyographic study of the gluteus maximus, the vastus lateralis, and the tensor fasciae latae.

PENNYBAKER, Dale Atherly. An investigation of speed of movement.

SPRAGUE, Ann Lee. The relationship between selected measures of expressive language and motor skill in eight-year-old boys.

STRONG, Clinton Herbert. Effect of motivation on performance on physical-fitness tests.

THOMPSON, Margaret Madeline. A study of the relationship between performance in selected motor skills and mental achievement of children of elementary school age.

THRALL, William Robinson. A performance analysis of the propulsive force of the flutter kick.

WILSON, Margaret Eileen. The relative effect of mental practice and physical practice in learning the tennis forehand and backhand drives.

Louisiana State University

BARHAM, Jerry Nolley. A comparison of the effectiveness of isometric and isotonic exercises when performed at different frequencies per week.

LEIS, Hans Herman. The effect of age, intensity and frequency of various training schedules on running performance.

University of Michigan

JERVEY, Annie Arden. A study of the flexibility of selected joints in specified groups of adult females.

KOZAR, Andrew Joseph. A study of telemetered heart rate during sports participation of young adult men.

LINN, George William. An exploratory comparison of the personal social adjustment of selected participants and nonparticipants in two junior high school athletic programs.

MURPHY, Chester Walter. A study of tensiometer strength in boys six to eleven years of age.

Michigan State University

ALEXANDER, John Francis. An evaluation of thirteen brands of football helmets on the basis of certain impact measures.

JOHNSON, Perry Brooke. The relative effects of exercise and caloric restriction in controlling blood cholesterol in rats.

LABAW, Nye L. A study of the acceptance and rejection of the foundations of physical education.

NELSON, Richard Carroll. An investigation of various measures used in football helmet evaluation.

New York University

FORSYTHE, Olive Eleanor. Philosophical bases for physical education experiences consistent with the goals of American education for high school girls.

SINGH, Harbans. The development of professional education principles for physical education colleges in India.

The University of North Carolina

BAUER, Raymond E. A study of the motor achievement and mental achievement of sixth grade children.

SANFORD, John D. A study of existing and desired practices in the conduct of inter-collegiate athletics in selected North Carolina colleges and universities.

TAYLOR, JR., Walter Clyde. An experimental study of strength prediction, competitiveness and the effect of physical training on body composition and strength.

The Ohio State University

BELL, William McNeil. A critical study of the physical education curricula in ten Negro high schools with respect to the relationship of principles to practice.

ORLOSKI, Arthur Joseph. An analysis of the physical play habits of elementary school children.

University of Oregon

HASSMAN, Ralph Preston. Changes in the physical status of varsity and freshman wrestlers at the University of Oregon following six weeks cessation of organized team practices and competition.

OLSON, Arne LeRoy. Characteristics of fifteen year old boys classified as outstanding athletes, scientists, fine artists, leaders, scholars, or as poor students or delinquents.

PEERY, Everett David. Group games for orthopedically handicapped children.

SCHOPF, Theodore George. Construction of a muscular strength test for boys in grades four, five, and six.

WEBB, Florence. An exploratory study to determine the effects of the number of implicit rehearsals and the spacing of these rehearsals on the learning of a motor skill.

The Pennsylvania State University

NESSLER, Joan. An experimental study of methods adapted to teaching low-skilled freshman women in physical education.

SAUERS, Richard James. The effect of varying the rest-interval on re-test performance in a motor fitness battery.

STULL, George Alan. Relationship of quantity and distribution of practice to endurance, speed, and skill development by beginners.

University of Southern California

SHOCKLEY, James Thomas. Behavioral rigidity and college physical science instruction.

THOMAS, Paul. Economy of learning at beginning levels of gross motor performance.

Stanford University

HALLBERG, Edmond Charles. A cost analysis of physical education programs in terms of utilization of facilities.

LOCKE, Lawrence Fred. The performance of administration oriented physical educators on selected psychological tests.

Syracuse University

CHILDS, Harold M. A history of the school health education program in New York State.

The University of Texas

BELL, Myrtle Lee. The relationship of selected variables to success of part-time recreation personnel employed as summer playground leaders.

CRAWFORD, Marilyn. Critical incidents of instructional methods in physical education in Southern secondary schools.

HUGHES, James Marshall. Standards for facilities for physical education in senior high schools.

Texas Woman's University

SMITH, Nancy Warren. Modern dances based upon literary themes, 1926-1959.

TUCKER, Dorothy M. Katherine Williams Montgomery: her life, professional career and contributions to physical education.

University of Utah

SCHWICH, Luther C. An evaluation of a teacher education program in health and physical education.

PSYCHOLOGY

University of Arizona

BALDWIN, William Edward. The effect of different degrees of tension upon the quality of performance of college students on a subject matter achievement test.

HOAG, Ralph L. A comparative study of certain motor skills of deaf and hearing mentally retarded children.

University of Arkansas

VAN ZANDT, Billy R. The development of a scale for motive assessment: achievement—affiliation.

Boston University

BARWICK, Janice Marie. A study of the relationship between parental acceptance and the academic achievement of adolescents.

GULO, Eliot Vaughn. The construction and validation of a test of critical thinking for freshman high school students who have completed a course in general science.

HAYES, Robert William. The construction and validation of an instrument to measure group leadership potential in non academic college situations.

JOHNS, Eugene H. An experimental test of the Lashley hypothesis of selective attention and its relationship to the continuity-discontinuity issue in discrimination learning.

LEONARD, Mary Therese. An analysis of the relationship of selected eye-hand factors to success in eye-hand skill.

MCHUGH, Walter J. Pupil team learning in skills subjects in intermediate grades.

MOLLER, Hella. Stuttering, predelinquent, and adjusted boys: a comparative analysis of personality characteristics as measured by the WISC and the Rorschach test.

REEVES, Mary Elizabeth. Measurement of attitudes of deans of women toward principles of good counseling.

SHEEHAN, A. Cornelia. The interrelationships of interests and attitudes and specified independent variables in the teaching of natural science by television in the fifth grade.

University of California, Berkeley

CAREY, Richard William. Group counseling with scholastic underachievers in high school.

CHESKA, Alyce Taylor. The relationship of authoritarianism in women students to their perception of teachers' instructional behavior.

FINK, Martin Bertram. Self concept as it relates to academic underachievement.

GARVERICK, Charles Milton. Retention of school learning as influenced by selected affective tone variables.

GREENING, Charles Philip. Development of meaning of concrete nouns from context in reading: an experimental study.

HARRIS, Yeuell Yeamans. Guidance summary profile: its use in three guidance situations.

HOIHJELLE, Anna Lorraine. Social climate and personality traits of able teachers in relation to reading instruction.

McNAUGHTON, Anthony Henry. The ability of seventh grade children to infer meaning and to generalize from two selections of written history materials.

MECHANIC, Arnold. The role of task competition in incidental learning.

PELZ, Freda Elizabeth. The measurement of teachers' attitudes toward exceptional children by means of scalogram analysis.

RICHARDSON, Joy Barbara. The differential timing of discrete eye movements of readers differing in levels of comprehension.

SINGER, Harry. Conceptual ability in the substrata-factor theory of reading.

STONE, Samuel Burke. A structural comparison of the speech and writing of selected average tenth-grade pupils.

THOMTE, Karl Adams. Certain characteristics of full-time students enrolled in trade and industrial education classes in high schools and junior colleges of selected California communities.

WEICHERT, William Stuart. The problem solving behaviors of two groups of seventh-grade pupils.

University of California, Los Angeles

BAKER, Robert Francis. The effects of anxiety and stress on gross motor performance.

SANBORN, Jane O. Self theory and its relation to the work of the school counselor.

WALTON, Geneve. Identification of intellectually gifted children in the public school kindergarten.

The Catholic University of America

VALOIS, A. John. A study of operationism and its implications for educational psychology. (Educational Research Monograph, Vol. 23, No. 4.)

The Claremont Graduate School

BARRETT, Jean. Identity crisis in atypical adolescent boys.

VOGEL, Lillian Brown. Anti-social behavior in boys of elementary school age.

University of Colorado

BALDAUF, Robert John. A study of a measure of listening comprehension and its relation to the school achievement of fifth grade pupils.

BOGGAN, Martin. A comparison of variability in identification and self-acceptance of male delinquents and male socially acceptable school students.

IAZZETTA, Vernie Barnett. Perceptions of mother and daughter as they pertain to certain aspects of the self concept.

NASH, Richard Lawrence. A study of personnel data as predictors of behavior of transfer students at the University of Colorado.

Colorado State College

CASHEN, Valjean Murry. Scales to identify and differentiate the personal characteristics of counselors from classroom teachers and laymen in the State of Illinois.

HARRINGTON, Neil Joseph. A comparison of the effectiveness of teaching college chemistry for general education and a determination of the psychological factors involved in the two methods.†

LUEPKES, Gladys Geyer. Analysis of intercorrelations among independent measures of adjustment and those based on the Luker index.†

MIRICH, John Jack. Psychological case studies of juvenile delinquents in three social classes.†

OVERTON, Paul Dean. A comparison of teachers' marks with scores obtained from a standardized testing program.

PYLES, Ralph Andrew. An analysis of disciplinary practices in selected junior high schools of Kansas.

TRAYLOR, Helen Besse. A study to establish empirical keys for counseling measurement instruments.

TURNER, Adele. A study of change in attitude toward children during a first course in child psychology.

WHITMORE, Elvern Lyle. The use of the Minnesota Multiphasic Personality Inventory for identifying college freshmen men with potential personal and social adjustment difficulties.

WILLIAMSON, Lee Roy. An analysis of discipline practices in selected junior high schools of Texas.

Columbia University

ADKINS, Elmer Robert. The effect of attitude upon reformulation-in-own-words.

FEDER, Simon Maurice. Limited goals in short-term group psychotherapy with institutionalized adolescent delinquent boys.

FELDMANN, Shirley Clark. Visual perception skills of children and their relation to reading.

Columbia University Teachers College

AHMAD, Mehrunnisa. Ideas expressed by Pakistani children in evaluating themselves.

AHRENS, John Bruesch. Attitudes and self-descriptions of managerial personnel.

BACHRACH, David Leonard. The effects of knowledge of results upon accuracy of person perception.

COMMOSS, Harriet Hanna. Some characteristics related to social isolation of second grade children.

DIAZ DE CONCEPCION, Abigail. Resources in the lives and culture of Puerto Rican students which will aid in the understanding and use of basic concepts in social psychology.

GOTTLIEB, Sophie Bernice. Group psychotherapy for married couples.

GREEN, Miriam Blau. The relation of girls' sex role preferences and perceptions of mothers' attitudes toward sex typing to social class and mothers' education level.

GUERRIERO, Michael Angelo. Accuracy of counselors' clinical predictions of educational success of World War II veterans.

HOFFMAN, Elizabeth V. Educators and sex differences in moral choice situations.

ROTH, Robert Howard. A survey of the undergraduate course in social psychology.

SCHWARTZ, Rudolph James. The chronic schizophrenic and "meaningful" learning.

TATE, Barbara Louise. A re-evaluation of the nurse scale of the Strong Vocational Interest Blank.

WINTERS, Stanley Arnold. A comparative study of selected expressed attitudes, concepts and interests of retarded adolescents.

The University of Connecticut

BERG, JR., Joel. Differential prediction of academic achievement in grade ten of the West Hartford public schools.

GOODWIN, William Noel. Construction and use of an attitude scale in a community counseling scale.

MARINACCIO, Lawrence V. Relationships between work experience and intelligence quotients of secondary school pupils.

SKELLY, Clyde Gordon. Some variables which differentiate the highly intelligent and highly divergent thinking adolescent.

TRAIL, Stanley M. Scholastic success of students transferring to the University of Connecticut.

TURNER, Marguerite Elizabeth. Construction, validation, and use of a test for measuring the concept of shape in grades one through nine.

Cornell University

HECKEL, Maynard Calvin. A comparative analysis of factors associated with resignation and tenure of male county extension agents in the southern extension region.

KAPLAN, Bernard Abraham. Professional problems of beginning full-time counselors in New York State secondary schools.

MINK, Oscar Gorton. A study of certain cognitive and conative factors affecting academic progress in chemical and metallurgical engineering at Cornell University.

University of Denver

MILLER, Harold Elwood. Factors related to self concept changes in college freshmen.

MILLIKEN, Robert Lee. Verbal-mathematical ability differentials on the Scholastic Aptitude Test as a correlate of situational anxiety.

WATLEY, Donovan Jason. Prediction of academic success in a college of business administration.

The University of Florida

MACOMBER, William Bernard. Personal perceptual style as a factor in predicted teacher effectiveness.

The Florida State University

CUMMER, John P. A study of counselee satisfaction in relation to the interest level of faculty advisers in counseling activities.

HARRIS, Samuel D. A study of the relationship between the sixth grade student's beliefs about junior high school, his concept of self and others, and his socio-economic status.

SPENCE, Betty Lentz. The interrelationships of the concepts of self and others, social acceptability, and curriculum patterns.

SPICOLA, Rose Frances. An investigation into seven correlates of reading achievement including the self-concept.

WAKEFIELD, Homer E. A study of certain factors that are considered essential in effective institutional training programs for educable mentally retarded.

Fordham University

BLUHM, S.C., Bro. Harold. A study of the direct and transfer effects of a developmental reading program at the ninth grade level.

CAMPBELL, Sr. Mary Gregory. A comparative study of mental ability, personality and interests of first year nursing students in the diploma and baccalaureate programs.

CANTWELL, Mary Z. An evaluatory study of an experimental program of vocational guidance in junior high school.

CORSARO, Jennie F. A comparison of the interests, critical thinking ability, spatial relations ability and study habits of average, under and over achievers in tenth year mathematics.

DIONNE, F.I.C., Bro. Conrad J. Self concept and personal-social circumstances related to ability and achievement of academically talented high school students.

University of Georgia

MOCK, William Lindsey. Selected personality, intellectual, and community characteristics as related to academic success of University of Georgia students.

University of Illinois

ADAMEK, JR., Edward George. The effects of testing and two methods of test interpretation on selected self-perceptions.

AZUMA, Hiroshi. Comparison of a correlational with a probabilistic approach to concept learning.

GLIESSMAN, David Henry. Abstractness and informal organization of reading material: their effect on reading performance and relationship to selected intellectual characteristics.

GRUPE, Audrey Jean. Adjustment and acceptance of mentally superior children in regular and special fifth grade classes in a public school system.

GUPTA, Promila. A study of cognitive merit of teachers.

JORDAN, June Beaver. Intelligence as a factor in social position—a sociometric study in special classes for the mentally handicapped.

LINDE, Thomas Frank. The influence of orthopedic disability on conformity behavior.

MCCOY, George Franklin. Some ego factors associated with academic success and failure of educable mentally handicapped pupils.

MOSS, JR., Jerome. An experimental study of the relative effectiveness of the direct-detailed and the directed discovery methods of teaching letterpress imposition.

RENICK, Theodore Frederick. Early identification of potentially successful graduate students.

SYED, Amna Khatoun. Patterns of parent behavior influencing academic achievement in the junior high school.

TREMBLY, Dean. Crossed dominance of hand and eye in relation to poliomyelitis.

WITTROCK, Merlin Carl. Transitional materials in verbal learning.

Indiana University

AL-KARBOULI, Hamad Dalli. Interference as a function of certain factors in learning two foreign languages concurrently.

ELSHIEKH, Yousef Mahmoud. A comparative study of adjustment problems of undergraduate students in Egyptian and American teachers colleges with implications for college counseling.

GRANTHAM, James Wendell. A study of the problems of beginning teachers in selected secondary schools of Mississippi.

KAUFMAN, Mae Elizabeth. Some problems of Negro teachers related to integration of pupils in public schools.

KOEHLER, Margaret Louise. The effects of set and number of trials on problem-solving in nursing situations.

MAGARY, James Frederick. An analysis of the vocational interests of educable mentally retarded adolescent boys from three occupational classes.

WADE, Eugene Wellington. The construction and validation of a test of ten teacher skills used in reading instruction, grades 2-5.

State University of Iowa

BIRBECK, Herbert Evans. Parental attitudes in families where cerebral palsy is present.

DEWITT, Byron Fredrick. Analysis of the effect of chronological age as a factor in achievement in the elementary school.

FITZGERALD, Louis Allen. Some effects of reading ability on group intelligence test scores in the intermediate grades.

RIBBECK, James Charles. High school counselor and teacher prediction of college success as related to objective predictor measures and to counselor and teacher characteristics.

SCHOER, Lowell August. Effect of list length and interpolated learning on the learning and recall of fast and slow learners.

SEVERINSEN, Krestian Norman. A survey of beginning guidance programs in certain Iowa high schools.

University of Kansas

WALL, Harvey Ruben. A differential analysis of some intellectual and affective characteristics of peer accepted and rejected pre-adolescent children.

Loyola University

MULLER, Vivian Virginia. The relation between performance on certain semi-projective tests and adjustment to high school.

QUINN, Paul F. The role of the parent in the counseling interview with the secondary school student.

University of Maryland

AL-MANSOUR, Ibrahim Yousif. A study of the effects of item analyses upon the predictive efficiency of a standardized test.

University of Michigan

AUGUR, Sherwood. E. L. Thorndike's educational psychology and the American educational program of the period 1890-1915.

ECHELBERGER, Edna M. Relationships of behavior characteristics and peer status as indicators of personality development.

FOGOROS, Letitia Marguerite. Determination of elements desirable for a course in family life education for the senior year of high school.

HAAG, Carl Herbert. An exploratory study to determine the significance of early longitudinal records of ability and achievement as predictors of academic achievement in college.

KLINGER, M. Robert Boekeloo. A comparison between American and foreign student groups on certain moral values.

LAFFERTY, James Clayton. A study of changes in self-concepts of teachers following participation in a consulting mental health program.

LOWTHER, Malcolm Alfred. A comparison of the educational motivation, self-evaluation and classroom conduct of high and low achieving eighth grade students.

MILLMAN, Jason. The measurement of the unity of growth and the testing of the steady rate of growth hypothesis.

REYNOLDS, Esther Rebekah. Intercorrelation of rigidity test scores as a function of homology.

STOCKEY, Merrel Richard. A comparison of the effectiveness of group-counseling, individual-counseling, and employment among adolescent boys with adjustment problems.

Michigan State University

BLACKINGTON, III, Frank Henry. A philosophical analysis of the construct "life adjustment" and its implications for education.

BOLLWAHN, Lester Paul. A self evaluation of abilities in farm mechanics by short course students in agricultural colleges with implications for instructional programs.

FAHS, Harold Jay. Relationship of certain factors to successful case closure in a child guidance clinic.

HUSA, Harold E. Factors related to success or failure of students readmitted to Northern Illinois University following academic dismissal.

JOSEPH, Michael Peter. The use of depth interviewing to explore the motivational factors underlying achievement of eleventh grade high school boys.

KITTREDGE, Robert Elwin. Investigation of differences in occupational preferences, stereotypic thinking, and psychological needs among undergraduate women students in selected curricular areas.

MATHERNE, Allen James. An analysis and evaluation of an experimental program designed to increase the level of economic understanding among adults.

PAYNE, David Allen. A dimension analysis of the academic self-concepts of eleventh grade under- and over-achieving students.

PAYNE, Isabelle Kathleen. The relationship between attitudes and values and selected background characteristics.

PHILLIPS, JR., James Archibald. Ability grouping and teacher attitudes: an exploratory study of junior high school teachers and their commitment to ability grouping.

PIERSON, Robert A. Alternation behavior in mentally retarded and normal children.

SCHMIDT, Wesley Irvin. The study of the origins, education and occupational definition of hotel managers as related to career patterns of security and success.

SMITH, Roderick Jackson. An analysis of the transition from the junior college program to that of a four-year liberal arts institution at Spring Arbor Junior College.

STEIN, Jacob. A concurrent validity study of the vocational values inventory.

THORPE, Marion Dennis. The factored dimensions of an objective inventory of academic motivation based on eleventh grade male over- and under-achievers.

THWEATT, Roger Clay. The development and validation of an F. Scale for an objective test battery of motivation.

University of Minnesota

ANDERSON, John Paul. Student perceptions of teacher influence.

CHURCHILL, Ruth Dietz. Evaluation of independent study in college courses.

DEMANN, Michael Marcus. Selected counselee characteristics predictive of successful case closure in vocational rehabilitation.

HILLESTAD, Mildred Christine. Factors which contribute to the difficulty of shorthand dictation materials.

LANTZ, Donald LeRoy. The relationships between self concepts and teaching behaviors among elementary student teachers.

MARKWARDT, JR., Frederick Charles. Pattern analysis techniques in the prediction of college success.

WOLD, Stanley Gordon. A comparison of college students' performance on selected art tasks and on the Graves Design Judgment Test.

University of Missouri

DUBOIS, JR., Edwin Ainsworth. Graduate institutional identification and the role concepts of secondary school counselors.

GARRETT, Gane A. A comparison of the predictive power of the Kuder Preference Record and the Strong Vocational Interest Blank in a counseling setting.

NAUSS, Allen Henry. Scholastic ability, self-concept and occupational plans.

PETERS, George Thomas. Counselor attitudes and levels of counselor certification.

SMITH, Carroll Edwin. A survey of opinions upon the occupational role of the rehabilitation counselor.

The University of Nebraska

BARLOW, Marlyn Parul. An analysis of peer ratings and social experience.

BASSHAM, Harrell Clark. Relationship of pupil gain in arithmetic achievement to certain teacher characteristics.

GAGE, Gerald Elmer. Pupil development in a rapid learner program.

JENSEN, William Russel. Anxiety, n-achievement, aptitude, and prior knowledge as predictors of college achievement.

LANGFELD, Wilfred Chris. An evaluation of a program for the improvement of human relations in a high school boys' dormitory.

MAEHR, Martin Louis. The effect of food deprivation in binocular conflict.

MOORE, Earl Junior. Concept of vocational personality and occupational values as related to self concept at different stages of vocational maturity.

MORGAN, Owen Wenger. Development of the situational response test of marital interaction and adjustment.

SJOGREN, Douglas Dee. Changes in the organization of mental ability among secondary school youth.

STEFFEN, Hans Hermann Julius. Relationship between self-estimates of occupational competence and n-achievement of high school students.

WILSON, Charles Chase. The relationship of achievement as measured by the National Merit Scholarship qualifying test to curriculum and educational factors in selected Nebraska high schools.

New York University

BLOOMFIELD, Jack. The effects of discussion grouping upon shifts of pupil opinion.

CARTWRIGHT, Roger. An account of the development and application of a resource unit stressing thinking for a course: Eta 2. Values, thinking and planning.

COHEN, Leon. An exploratory study of the relationship between teachers' factual knowledge about pupils and the academic achievement of those pupils.

FREY, Harriet K. The influence of a mental health approach in kindergarten.

FREY, Orian C. The influence of a mental health approach in kindergarten.

GALOTTO, John V. The comparative effectiveness of individual reading therapy and group reading therapy.

GANG, Seymour. Influence of school plant upon personality ratings of elementary school children in the New York City public school system.

GRIFFIN, Westervelt. The development and evaluation of an orientation course designed to assist agricultural college freshmen in achieving a mature mental adjustment to college environment.

KESHIAN, Jerry Gary. Why children succeed in reading.

KOSOW, Irving Lionel. Factors affecting faculty morale in four community colleges.

LOPATO, Esther W. An experiment to determine the effect of learning conversational French on academic achievement of third grade children.

RATHS, James Dubert. An application of clarifying techniques to academic under-achievers in high school.

ROSENGARTEN, William. The occupational orientation of high school seniors—an experiment in vocational guidance.

SHAPIRO, David N. A comparative study of principals' perceptions of teachers and teachers' perceptions of themselves as revealed in teacher morale inquiry.

SHAREFKIN, Mrs. Belle D. A study of the possession of the science abilities by student teachers in a liberal arts college preparing to teach in grades four through six.

WEBB, Mildred Minnie. Factors identified by personnel as influencing adjustment of teachers new to Manhasset in 1956-57.

WILLIS, Robert Manks. An analysis of the adjustment and scholastic achievement of forty Puerto Rican boys who attended transition classes in New York City.

ZISCHKA, Pauline Camilla. A study of factors in the personal and professional histories of teachers and responses to a morale investigation.

The University of North Carolina

HARRIS, Thomas Lewis. An analysis of the responses made by adolescents to the Welsh figure preference test and its implications for guidance purposes.

University of North Dakota

BACHMEIER, Thomas. An investigation of certain factors related to persistence of students who enrolled as first-semester freshmen at the University of North Dakota during the fall of 1955.

CACAVAS, Peter Dan. The effects of teaching conditions of learning and learning principles in the introduction to psychology course.

North Texas State College

HARDER, Nancy Alliene. A comparison of learner-centeredness in teacher attitudes and verbal behavior.

SEAY, Lesten Clare. A study to determine some relations between changes in reading skills and self-concepts accompanying a remedial program for boys with low reading ability and reasonably normal intelligence.

STOKES, Elizabeth Hendon. The relationship of school entrance age to sociometric status, mental health, and school attitudes in intellectually superior children.

Northwestern University

HOWES, JR., Harold Rohrer. An evaluation of short-term school counseling.

KRIPPNER, Stanley Curtis. A study of the vocational and educational interests of junior high school students.

LEVIN, Jacob Louis. An analysis of certain characteristics of youthful offenders in the Cook County Jail (Chicago, Illinois).

The Ohio State University

HUMMEL, Dean Loil. Guidance in Ohio: its historical development.

University of Oregon

FISHER, Raymond C. A community study of administrator autonomy and conflicting role expectations.

University of Pennsylvania

BORISLOW, Bernard. Self-evaluation and academic achievement.

The Pennsylvania State University

ANGELONI, Anthony Alfred. The multiple-meaning synonym vocabulary test for children of elementary school age.

BEDOGNE, JR., Frank. The relationship between a test of visual sensitivity and judged qualities of children's drawings.

BURGART, Herbert Joseph. Art in higher education: the relationship of art experience to personality, general creativity, and aesthetic performance.

FLICK, Paul Brewer. An intercorrelative study of two creative types: the visual type and the haptic type.

JONES, Clyde Adam. Some relationships between creative writing and creative drawing of sixth grade children.

KENDRICK, Vernon Dale. The influence of repetition on the over-all aesthetic quality and the completion time of a creative art task.

KINCAID, Clarence Everit. The determination and description of various creative attributes of children.

KRIEGER, Myrri H. The mutual effect of an exchange of children's creative drawings between foreign countries.

SEELHORST, Robert Charles. The relationship between human values, aesthetic performance, aesthetic sensitivity, and sensitivity to problems.

STEWART, William Ross. The interaction of certain variables in the apperception of painting.

Purdue University

CRIST, Robert L. A study of the discrimination effectiveness of the Stern Activities Index with achievement groups in Purdue's freshman engineering.

GALLOWAY, Robert Edward. A comparison of the reading difficulty of vocational agriculture textbooks with the reading ability of the students using them.

HILL, W. Merle. Prediction of student academic achievement in beginning German at Purdue University.

HUNT, James G. A study of nonintellectual factors related to academic achievement among college seniors at Ball State Teachers College.

McMILLEN, Daniel Morris. A study of the effectiveness of the Kuder Preference Record—vocational in discriminating among Purdue engineering graduates.

St. John's University

DI LORENZO, Louis Theodore. The discriminating effects of a college 'How to study course'.

DONNELLY, Edward Francis. Teacher-pupil attitudes as related to grades of secondary school pupils.

GAZAWAY, Rena. An exploratory study of the school nurse in the constellation of pupil personnel services.

HAMEL, Lawrence B. A survey of the teaching of occupations in New York State secondary schools.

HOEDEL, S.C.C., Sister M. Celestine. A study of the relationship of several types of secondary schools to the development of religious vocations.

University of South Carolina

SEIGLER, Hazel Gantt. Visual perceptual patterns and their relation to reading: a study of one hundred first grade children.

State University of South Dakota

EWALD, Hattie Hoff. The relationship of scores on the differential aptitude tests to scholarship in high school and freshman college.

University of Southern California

AYRES, Anna Jean. Space perception and visualization in cerebral dysfunction.

BARTH, George William. Some personality and temperament characteristics of selected school music teachers.

CLYDE, Robert Burdette. An empirical comparison of the school and college ability tests and the American council on education psychological examination.

KIELSMEIER, Milton. Learning differences among high and low auding subjects.

Stanford University

CHAPLIN, Jack William. An experimental study of attitude modification in driver education students.

HILL, Shirley Ann. A study of the logical abilities of children.

LEVINE, Samuel. The measurement of social competence in preschool children.

RATHBURN, Ione Jean Alohilani. Teachers' and pupils' perceptions of pupil problems in Honolulu public high schools

WANNER, JR., Paul Walter. Social interaction, independent behavior, and industry as affected by two different seating arrangements in sixth-grade classes.

Syracuse University

WING, Lucy Florence. The effects of different expectancies followed by failure on the performance, preference, and goals of task-oriented and failure-avoidant children.

Temple University

PROCTOR, JR., Robert Allen. A study of attitude changes in theological students during one year of seminary training.

REISER, Martin. The effects of group counseling on interpersonal relationships, anxiety level, intellectual functioning, and certain personality characteristics in a planned workshop experience.

ROTHMAN, Frances Dektor. A study in the measurement and an attempted modification of attitudes toward academic achievement among gifted students in two independent schools.

WALDMAN, Marvin. The effects of group counseling in a controlled workshop setting on attitude, manual dexterity and ability to perceive correct spatial relations.

WILLIAMS, Thomas B. A study of the effects of music as a distraction on the mental test performance of certain eleventh grade students.

The University of Texas

DUNLAP, Naomi Gibson. Alcoholism in women: some antecedents and correlates of remission in middle-class members of Alcoholics Anonymous.

FULLER, Frances Fallon. Influence of sex of counselor and client on client expressions of feeling during counseling.

HANSON, Philip Gerald. Personal constructs and choice of a major field of study.

HINDSMAN, Percy Edwin. Dimensions of adolescent behavior.

JENKINS, Thomas Vinnedge. A study of the relationship between music aptitudes and mental ability, science aptitudes and mathematics aptitudes among secondary school pupils in Texas.

MONTGOMERY, Robert Arthur. An evaluation of an experimental program of group guidance in the junior high school.

WAICHES, Vincent Casimir. Intellectual and personality changes in college students as measured by the Cooperative College Ability Test and the Personal Judgment Scale.

Texas Technological College

SOWELL, Cornelia Klipstein Fry. Counseling and guidance programs in the junior colleges of the United States.

University of Utah

ANDERSON, Frederic John. Factors in motivation to work across three occupational levels.

MORTENSEN, Benjamin Franklin. The relationship of certain biographical information to the successful vocational rehabilitation of psychiatric patients.

University of Virginia

MORROW, Robert Owen. A study and evaluation of the guidance services in the Virginia public secondary schools.

Washington State University

GUINOARD, Donald Edgar. Personality traits and mental health habits of socio-metrically popular and unpopular sixth and eighth grade students.

ROWLAND, Thomas David. The relationship between anxiety and the disparity of reading and arithmetic achievement.

Wayne State University

NORDQUIST, Maxine Winsor. Mother's child-rearing attitudes related to nursery school contact.

Western Reserve University

CAPLAN, Nathan S. A comparison of the 90-110 and 120 and above delinquent IQ groups.

GREENBERG, Kenneth R. A study of the relationship between reading skills and study habits and attitudes in tenth and twelfth grade pupils.

JORDAN, Charles N. An analysis of the abilities and achievement of high I.Q. pupils in Cleveland's major work and enrichment classes, grades 4B-6A.

KASS, Norman. Age and sex differences in degree of conflict within certain areas of psychological adjustment of institutionalized juvenile delinquents.

RUBEN, Joseph Milton. Guidance problems of the American dependents' secondary schools in Europe.

SINKS, Naomi B. Sex and intelligence as factors in achievement in reading grades four through eight.

SPANGLER, Donald Paul. An investigation into the effects of age, sex, and differences in physical status upon manifest needs.

THOMAS, Charles William. Differences in manifest anxiety and temperament traits between institutionalized and noninstitutionalized adults.

The University of Wisconsin

ETHNATHIOS, Zackaria Zaki. The stability and concurrent validity of selected factors of divergent thinking.

FISCHER, Robert Frederick. Relationships between school achievement and the verbal and nonverbal abilities of children.

OLSON, LeRoy Albert. A study of the effect of selected variables on the concept attainment of high school sophomores.

OTTO, Wayne Raymond. The acquisition and retention of paired associates by good, average and poor readers.

SEEMAN, Myron Walter. The effects of anxiety, stimulus structure and stress on concept attainment of fourth grade children.

RELIGION

Boston University

LINDECKER, JR., Wayne Moore. A normative, description of the role of the certified director of Christian education in the Methodist church.

The Catholic University of America

BARRETT, Sister Mary Mark. A study of the influences of Catholic high school experiences on vocational decisions to the sisterhoods. (Educational Research Monograph, Vol. 24, No. 1.)

JONES, Reverend Thomas Patrick. The development of the office of prefect of religion at the University of Notre Dame from 1842 to 1952.

Columbia University

ELLZEY, Charles Homer. Relationships among acceptance of self, acceptance of others, and belief in an accepting God.

Columbia University Teachers College

GOLDEN, JR., Edward Smith. The role of the chaplain in the religious care of the mentally retarded.

GRANT, Alexander J. The study and use of the Bible among college students.

HACHEN, David Solomon. A guiding philosophy for reform Jewish education.

LITTLE, Gertrude Isabel. Exploring the use of direct experience as one means of developing the qualities of workmanship needed by religious educators.

LODWICK, Robert Clare. The impact of nationalism on the schools of the American Mission in the southern region of the United Arab Republic.

OPEL, William Andrew. The place of books in the teaching of religion to adolescents, with special emphasis on a bibliography for the Council for Religion in Independent Schools.

REEVES, Joseph Donald. An inquiry into what "to teach" means in the Sunday schools of the Southern Baptist Convention.

University of Denver

LINDELL, Edward Albert. Implementation of Christian goals in selected Lutheran colleges.

SCHORR, Martin M. Conformity strength and its relationship to personality characteristics of ministerial candidates.

Duke University

SCUDDER, JR., John Ralph. A history of disciple theories of religious education.

Loyola University

(STIEHM,) O.P., Sister Marie Claudia. Christian concepts in reading series.

New York University

OST, Elmer Henning. The self and Christian education.

North Texas State College

DANIEL, James Harris. The appropriateness of teaching certain religious concepts to children between the ages of six and twelve.

The Ohio State University

BROWNING, Robert Lynn. Soren Kierkegaard and contemporary Protestant Christian education.

University of Pittsburgh

PRESTON, Robert Asher. Some relationships between the stated aims of four church-related colleges and the purposes of their entering students.

St. Louis University

THERING, O.P., Sister M. Rose. The potential in religion textbooks for developing a realistic self-concept: a content analysis.

Southwestern Baptist Theological Seminary

BAIRD, Doyle J. The place of the Baptist Student Union Director on a tax-supported college or university campus.

FORD, LeRoy. Principles of administration essential to democratic leadership in religious education.

GREER, JR., Emmett Eugene. The associational director of religious education.

Stanford University

CORCORAN, Gertrude Beatty. Social relationships of elementary school children and the released-time religious education program.

Western Reserve University

POLLAK, George. The graduates of the Jewish day schools: a follow-up study.

TEACHER TRAINING

University of Alabama

BERRY, Mary Tom. A study of the vocabulary load of *Geography of Many Lands*, an Alabama state-adopted text for the fourth grade.

University of Arizona

MATTILA, Ruth Hughes. An experimental study of a basic communications skills program for freshman at New Mexico Western College.

WESTON, James J. Critical requirements for high school typewriting teachers based upon an analysis of critical incidents.

University of Arkansas

FERRALASCO, Robert L. An analysis of the relationship of teacher characteristics to the relative significance of teaching practices employed.

Boston University

MANNING, John Chorlton. Evaluation of growth in the content subject areas of literature, social studies, and science in a program of individualized instruction.

University of California, Berkeley

SULLIVAN, George Doran. The development and present status of the departments of education in the Catholic universities and colleges of the Archdiocese of San Francisco in California.

University of California, Los Angeles

GREEN, Charles Burton. The problems of the beginning junior college instructor.

McDANIEL, Lucy V. Critical behaviors of staff physical therapists.

The Catholic University of America

CARRIGAN, Delia. The Catholic teachers colleges in the United Kingdom, 1850-1960.

HIGHBAUGH, Sister M. Assunta. An analysis of the teacher education programs of the Benedictine sisters in the United States.

University of Colorado

BASS, Floyd Lester. A study of certification standards in relation to the duties and responsibilities of the Tennessee high school principalship.

FORD, Loretta C. Pfingstel. The development and validation of case studies in public health nursing administration.

RUMFORD, Herbert Paul. An experiment in teaching elementary school methods via closed-circuit television.

SHAMBAUGH, Robert Franklin. A comparison of the competencies considered necessary to teach elementary general music education and the measured competencies of elementary classroom teachers.

Colorado State College

MAYNARD, H. Glenn. A study of the professional preparation of junior high school teachers.

RUNBECK, Junet Eileen. An empirical study of certain selected criteria for predicting success in student teaching.†

Columbia University Teachers College

ANKENEY, Margaret Elizabeth. Appraisal of an in-service education program for laboratory school teachers.

BOX, Dorothy Mae. An exploratory study of change in student teacher behavior in guiding learning opportunities. (Joint project with Orval A. McKinnell.)

CICERO, Donald Richard. Science backgrounds and subject-matter competency of prospective science teachers.

COHEN, Monroe David. Interning for better college teaching: a descriptive analysis of an internship in teaching of professional education at Wheelock College.

CORRIGAN, Dean Charles. Attitude changes of student teachers. (Joint project with Kenneth E. Griswold.)

DE LOPEZ, Concepcion Rodriguez. A program for training teachers for the Puerto Rican elementary schools in the teaching of arithmetic.

DEUTSCH, Murray. An exploratory study of the September experience program at the University of Miami.

GRISWOLD, Kenneth Earl. Attitude changes of student teachers. (Joint project with Dean C. Corrigan.)

KNIETER, Gerard L. The developmental approach to teacher preparation in music education.

MANOLAKES, Theodore. Quality assessments of teacher education students: an examination with recommendations.

McDANIEL, Joan Alexandra. The pre-service program in special education at Teachers College, Columbia University: suggestions for current and future development.

McKINNELL, Orval A. An exploratory study of change in student teacher behavior in guiding learning opportunities. (Joint project with Dorothy M. Box.)

PERLMAN, Ruth. Our mobile population and the schools: some problems of teaching in-migrant children in metropolitan school districts.

SHERIFF, Marion. A study of professional laboratory experiences prior to student teaching in the pre-service program in childhood education at Teachers College, Columbia University. (Joint project with James Vocalis.)

VACHA, Kathryn Harriet. Student needs as a basis for determining post-student teaching experiences of students majoring in elementary education at the State University of New York College of Education at Oswego.

VOCALIS, James. A study of professional laboratory experiences prior to student teaching in the pre-service program in childhood education at Teachers College, Columbia University. (Joint project with Marion Sheriff.)

WHITE, Dorothy Thompson. Educational preparation of teachers of nursing for the community college.

WYSOCKI, Mary Patricia. An analysis of parent-teacher conferences in terms of criteria developed by parents and by teacher.

YOUNG, Lyle M. Guide to professional laboratory experiences in the education of music teachers.

The University of Connecticut

LESURE, James Starkweather. An analysis of the relationship to persistence in teaching of certain background characteristics of 352 Connecticut public school teachers issued temporary emergency permits for secondary academic subjects and special subjects, 1957-1960.

MEINHOLD, Russell. An analysis of the scores of science teachers on a test on the methodology of science.

University of Denver

FEE, Roger Dexter. The pre-service preparation of the college voice teacher.

ROTH, Lois H. Criteria for the selection of supervising teachers using the critical incident technique.

The University of Florida

CAY, Donald Frederick. Selected teachers' expressed judgments concerning barriers to curriculum improvement.

JONES, Raymond Lawrence. Relationships between certain background factors of selected business teachers and attitudes toward teaching basic business subjects.

WINSOR, Donald Livingston. The development of a course for in-service education through television.

The Florida State University

SANDERS, Marlin C. Trends in teacher certification in Florida, 1936-1961.

SIMS, Robert Wilson. A study of the Florida scholarship program for the preparation of teachers.

Harvard University

BALOMENOS, Richard Herbert. An experimental study comparing the effectiveness of teaching deduction in two content areas of secondary mathematics.

CARRIER, Elba Onesyme. An investigation of the influence of language in the color-weight associations of deaf and hearing children.

LEE, Eugene Clifton. Career development of science teachers: personality determinants at the exploratory stage.

University of Illinois

DUDA, Walter Boleslav. The prediction of three major dimensions of teacher behavior for student teachers in music education.

LOHR, Helen Meta. Consumer economic knowledge and attitudes of prospective home economics teachers.

LOWE, Phyllis Kinnison. Professional aspirations of student teachers in home economics.

Indiana University

MASSIALAS, Byron George. Description and analysis of a method of teaching a high school course in world history.

YOUCIS, Harold Joseph. A comparative study of curricula standards for training the school instrumental teacher.

University of Kansas

HAYES, Robert Bruce. A study of programs of pre-service and in-service education for cooperating school supervising teachers used by selected teacher education institutions.

Louisiana State University

HUTCHINSON, James H. A study of the participating experiences of student teachers of vocational agriculture.

LYNN, Louis August. A history of teachers' institutes of Louisiana: 1870-1921.

PARKER, Alwin. A study of certain aspects of eight national science foundation summer institutes for high school teachers conducted in Louisiana.

Loyola University

DIETERLE, Louise E. An analysis and treatment of the problems faced by the student teachers in off-campus elementary schools.

University of Maryland

VALDEZ, Juan C. A proposed teacher training program for Mountain View College.

University of Michigan

IVES, Charlotte Yale. Perceptions of prospective elementary teachers regarding their preparation in health education.

TROWBRIDGE, Leslie Walter. A comparison of the objectives of traditional high school physics with the objectives of the Physical Science Study Committee Course, and an analysis of the instructional materials of the Physical Science Study Committee Course.

YAMBERT, Paul Abt. A principle and concept perspective of conservation.

Michigan State University

AGGERT, Otis J. A study of the teaching of oral interpretation in Michigan, selected textbooks and practices in extra-classroom activities.

MOECKEL, Rolf Edward. The effectiveness of practices of individual on-farm instruction used by teachers of adult-farmer courses in Michigan.

NIEMI, Alfred O. Instruction in forest practice in Michigan public schools with implications for teacher education.

SANTOS, Bruno Manuel. A critical analysis of the in-service training and participation in in-service training programs by teachers of agricultural schools of the Philippines.

University of Minnesota

ABEL, Frederick Paul. Use of closed circuit television in teacher education: relationship to achievement and subject matter understandings.

BASSIRI, Torab. Aspects of American college teaching which have implication for higher education in Iran.

WOESTEHOFF, Arnold Sylvester. Changes in offerings of selected teacher-preparatory colleges continuously accredited and state supported, 1927-1955.

University of Missouri

BROWN, George Jackson. Manipulative operations and electronic equipment needed in industrial teacher education based on industrial practices.

LESTER, JR., Herschel T. How young men in Missouri communities serviced by vocational agriculture start and progress in farming.

The University of Nebraska

HARDT, Walter Frederick. An evaluation of the professional education program in two Lutheran teachers colleges.

SAWIN, Carroll Ray. A study of competencies needed by secondary school teachers for community education.

New York University

CHRISTOFFEL, Frederick William. A student teaching handbook for cooperating teachers in the area of industrial arts.

ERTURK, Selâhattin. Discovering the most common weaknesses in the current practices of the public high school teachers of Turkey as basis for teacher improvement.

JAMES, Katherine Giddings. The preparation of teachers for the gifted in the elementary schools with special reference to Southern Connecticut State College.

MARGOLIS, Isidor. A history of teacher-training schools for teachers in Jewish schools in the United States in the first half of the twentieth century.

REXACH, Mrs. Maria G. Improving teacher education for the teaching of English as a second language in Puerto Rico.

SANDERS, Dannelta Marie. A handbook for student teaching in the elementary grades.

TURNER, Hazel McCarter. An in-service training program for dormitory counselors.

The University of North Carolina

IRVINE, Donald Wilson. An investigation of the forced-choice techniques as a predictor of success in student teaching.

University of North Dakota

DORDAL, Harold. A study of the secondary school teacher education program at a private liberal arts college with implications for modifying the curriculum in teacher education.

KOPPENHAVER, Richard George. A study of present practices and a proposed structure for awarding credit for student teaching in the teacher training institutions of North Dakota.

WARFORD, John Howard. Evaluation of special methods programs for industrial arts teacher education.

North Texas State College

TATE, James Oliver. A field follow-up study of beginning elementary teachers.

Northwestern University

NAFZIGER, Mary Katherine. A study of selected arithmetic understandings of undergraduate students in the elementary teacher preparation program at Goshen College.

The Ohio State University

ANDERSON, Robert Edward. A study of the pertinence and relationship of selected factors of the special and professional phases of undergraduate music teacher education to public school music teaching in Ohio.

HOSKINSON, Robert Everett. The in-service education needs of the business education supervising teachers in the Indiana State Teachers College student teaching program.

LAMB, Pose Maxine. An investigation of educational research in selected laboratory schools.

RODGERS, John Hasford. Participation of Ohio part-time farmers in young farmer programs in vocational agriculture.

STOLL, Forrest Duane. An evaluation of the music education curriculum at the University of Utah, with recommendations for future development.

The University of Oklahoma

EBERT, Geraldine Berniece. Basic content for the student teaching phase of business teacher preparation.

Oklahoma State University

DYE, Eddie Lynn. An analysis of factors associated with the quality, nature and extent of farm mechanics experiences received by student teachers of vocational agriculture.

HARRIS, Emily Frankie. Historical development of professional laboratory experiences for elementary teachers provided by seventeen Oklahoma colleges.

University of Oregon

GLASGOW, Robert B. A study and evaluation of an in-service training class in music for elementary teachers.

HOWARD, John Morton. An evaluation of the elementary teacher education program at the Oregon College of Education.

The Pennsylvania State University

BEISEL, JR., William Harold. A predictive device designed to select cooperating teachers for the elementary student teaching program at The Pennsylvania State University.

BULL, Patricia Ann. A factor analytic study of perceptions of teacher roles.

VIRGILIO, Andrew David. Development of an instrument to measure the attitudes of elementary teachers toward selected questions related to international affairs.

University of Pittsburgh

SHUTSY, Irvin John. An evaluation by first-year and second-year teachers of their student teaching experiences as provided by the fourteen state teachers colleges of Pennsylvania.

University of Southern California

CARLSEN, Darvey Ernest. Graphic arts programs for colleges preparing industrial arts teachers.

NELSON, Jack Lee. An evaluation of selected graduates of a secondary teacher education program.

POLSON, James Perry. An analysis of pre-service factors contributing to the effectiveness of business teachers.

Stanford University

CURTIS, Dunstan Ernest Frederick. The historical-philosophical bases for teacher education in a benedictine college.

Syracuse University

KRATHWOHL, Carlton Lester. A study of student-instructor relationship at the college level.

Temple University

YOUNG, William M. A critical analysis of selected research on student teaching in undergraduate teacher training institutions in the United States 1929-1959.

The University of Tennessee

HARVILLE, Lacy Edward. A study of the in-service education program in Knoxville city schools.

The University of Texas

PRICE, Robert David. Relations between cooperating teachers' and student teachers' attitudes and performances.

Wayne State University

PACE, Walter T. Profiles of personal needs and college press of Negro teacher trainees.

SARAFI, Naim Yousif. Proposed plans in guidance and counseling in Iraqi schools and communities.

The University of Wisconsin

INGLI, Donald A. An audio-visual approach to the intermediate grade social studies.

VERTEIN, Lester Dale. A study of the personal-social and intellectual characteristics of a group of state college students preparing to teach.

THEORY AND PRACTICE

University of Alabama

AROMI, JR., Eugene John. Achievement of the purposes of the junior high school through experiences in the plastic arts.

DODSON, William Frank. Experiences in general biology in the secondary school which may contribute to the objectives of general education.

University of Arkansas

THOMPSON, Michael Lee. The development of a scale to rate the relative significance of secondary school teaching practices.

Boston University

CORCORAN, Clare Mary. Inductive versus deductive methods of teaching word analysis in grade three.

CRISTIANI, Vincent Anthony. Informal dramatizations in social studies, grade VI.

CULLITON, JR., Thomas Edward. Group size in relation to the discussion tasks in learning.

DEASY, John Peter. Word analysis skills in the intermediate grades.

FOX, Robert Payne. A study and analysis of twenty-three programs for gifted science students in high schools of the United States.

HARMON, JR., John Millard. A study of science teaching in grades six through eight in selected Russian schools.

HOWARD, Luther A. The relative stability of youth problems and problem burdens at the senior-high-school level, grades 10, 11, and 12.

JOHNSON, Peter Wendell. Counseling attitudes of bishops and seminary instructors of the Church of Jesus Christ of Latter-Day Saints.

JOHNSTON, Thesba Natalie. Factors related to success in the doctoral program at Boston University School of Education.

KRAFT, Mary Elizabeth. A study of information and vocabulary achievement from the teaching of natural science by television in the fifth grade.

MARDEN, Avis G. An experimental study in group guidance discussions on the sixth-grade level.

MAURIELLO, Edna Anne. An appraisal of three variables in the teaching of conversational French by television to fourth grade children.

STATHER, Donald G. The application of the rules of punctuation in typical business correspondence.

VILLA, Alfred L. Educational factors that influence decisions to produce instructional films.

YOST, Thad Orlo. A process conception of psychotherapy as applied to a group of high school students.

University of California, Berkeley

ARAUJO, Denis John Arasarkadavil. A study of the validity, reliability, and essential qualities of the secondary school leaving certificate examination in social studies in March, 1959, in the State of Kerala, India.

GENILO, Loreto Gaba. A study of the problems of teaching the Filipino language in public secondary schools of the Philippines.

HALVORSEN, Gladys Cecelia. Some effects of emphasizing mechanical accuracy on written expression of sixth-grade children.

NOLAN, William. Organization and teaching of the beginning journalism course in Bay area high schools.

PROWELLER, William. A cultural approach to art as an integrative principle for art education.

ROLFE, Howard Clemet. Observable differences in space use and learning situations in small and large elementary classrooms.

University of California, Los Angeles

LANG, Charles J. A study of the use of audio-visual instructional materials in the curriculum of selected American, Mexican, and Canadian programs for the gifted.

SHAY, Carleton B. The relationship of intelligence to size of item step on a teaching machine program.

WIJEYEWARDENE, Kalutara A. Vocational guidance in a new nation.

The Catholic University of America

FLUSCHE, Reverend Ernest A. A critical study of current concepts of truth in American educational theory and their educational implications.

GEARTTS, Sister Mary Margarita. A critical analysis of the objectives of extra-curricular activity programs in Catholic high schools.

O'SHAUGHNESSY, Sister Mary Michael. Some effects of praise and reproof on test performances on school ability and reading achievement tests. (Educational Research Monograph, Vol. 24, No. 2.)

University of Chicago

KIMBALL, William James. The relationship between personal values and the adoption of recommended farm and home practices.

University of Colorado

ERNEST, David John. An analysis of the French style of oboe performance.

HOLLEY, Leta F. Women in executive and managerial positions in Omaha, Nebraska.

POTTER, Donald Glenn. Extra class science activities in accredited Colorado high schools and their relationship to certain measures of student interest in science.

RHOADES, Roger Hanson. Implications of automation for education: a study of expectations.

SAVAGE, Edith Jones. The development of instruction in music reading in public schools of the United States.

SHINE, Aileen Elizabeth. Relationship between arithmetic achievement and item performance on the *Revised Standard-Binet Scale*.

SWYNEHARDT, Mary Betty. Basic materials for a handbook in art education for elementary school principals.

Colorado State College

CLAYBAUGH, Amos Lincoln. A study of the effect of the oral and visual presentation of spelling words in syllabic form as a means of improving achievement in sixth grade spelling.

HARRIS, Charles Newton. A comparison of group, individual, and a combination of group and individual methods of therapy in improving articulatory patterns in speech.

MEVEY, Benjamin A. The effect of experimentation and class reorganization on the scholastic achievement of fifth and sixth grade pupils in Wichita, Kansas.

SMITH, Charlene Weddle. An investigation of the effect of the expansion and the condensation of science and social studies reading selections upon the comprehension of fifth grade pupils.†

Columbia University

RUSSELL, Charles Hoover. The required programs of general education in the social sciences at Columbia College, the College of the University of Chicago, and Harvard College.

Columbia University Teachers College

ANDREWS, David Kneeland. A manual for initiating the educational program for a new independent elementary school.

BAHE, Barbara Ann. Cultural material in first-year college German texts in the United States, 1905-1959.

BARKIN, Leonard M. The appreciation of the visual arts in the elementary school.

BARKIN, Morris Ted. The re-education of a group of nineteen pre-delinquent boys and its implications for public education.

BEHYMER, Alice F. Implications for teaching psychiatric nursing in preservice nursing education programs from a study of satisfying and stressful situations reported by students.

BRADFORD, JR., Henry. Teaching fundamentals of music to freshman education students through the use of music literature at Alabama Agricultural and Mechanical College, Normal, Alabama.

BRONG, Ruth Evangeline. A plan for utilizing television in preparing preservice baccalaureate degree students for practice in one aspect of public health nursing.

BROYLES, Maud Jefferson. Teachers and children view satisfactions in their intermediate-grade social studies.

BUSHNELL, William Carman. A plan of curriculum for the proposed church music school of the American Baptist Convention.

CAPLE, Richard Basil. Values of college senior men as they relate to choice of work positions.

CASEY, A. Frances. A follow-up study of the medical assisting graduates of the New York City Community College and the implications for changes in the curriculum.

CAWTHON, Mildred Grace. A plan for the teaching of musicianship and music materials classes to elementary education majors at San Diego State College.

CLOW, Cletus A. The manual portable typewriter as a tool of learning with fifth-grade elementary school pupils.

COHEN, Abraham. The impact of the American occupation upon the culture and education of Okinawa.

COHEN, Nancy Kamin. A case study of the Columbia Teachers College Counseling and Guidance Training Institute, 1959-60: implications for the preparation of secondary school guidance workers.

COHEN, Savin. An audio technique for improving the speech of students at New York City Community College through the use of tape recordings.

CULLMANN, Ralph E. A sourcebook for the beginning chemistry teacher.

DAVIDOFF, Ida Fisher. The postparental phase in the life-cycle of fifty college-educated women. (Joint project with May E. Markewich.)

DAVIS, Jerry B. Attitude changes on fallout and race associated with special instruction in biology.

DELANO, Phyllis Janes. Case studies of continuities and discontinuities in the employment-education-family patterns of women's lives.

DEL TORO, Jose E. The expressed interests and concerns of Puerto Rican youth in 1948-49; what they suggest for secondary education.

DICKSON, Paul. German language instruction in college; a practical guide for the instructor's daily use.

DIERS, Henry Harmon. A guidebook of functional music activities for students majoring in special education at Southern Connecticut State College.

DIETRICH, Sarah Tobin. Developing musical understanding in a third grade class in Rockville Centre, New York, through use of keyboard experiences.

DLUGACZ, Irving. A psychosocial view of the American Jews and its significance for the psychosocial approach to casework.

DRUMHELLER, Sidney John. The image of a teachers college as seen by high school counselors.

DRUMMOND, Eleanor Eloise. A development of key concepts in long-term illness nursing.

- FEIFER, Nathan. Relating the history of science to courses in secondary school science: a source book for the high school teacher of science.
- FERRIS, JR., Charles William. The development and evaluation of the Department of History and Languages at the United States Merchant Marine Academy, Kings Point, New York.
- FITTS, JR., Howard M. Problems reported by private medical practitioners of significance to health education for Negro groups in North Carolina.
- FUCHS, Jeanette D. Nadler. Problems of children referred to a child guidance clinic from broken, psychologically broken and unbroken homes.
- GAMBLE, William Sylvester. Modern art—prelude to understanding.
- GINSBURG, Barry Saul. A mathematics course at the Fashion Institute of Technology.
- GODWIN, Lois Ruth. Suggested procedures for the teaching of English language 10 to "C" and "D" students in urban high schools in the Province of Alberta.
- GOERCKE, Paul Francis. A study of the music major leading to the Bachelor of Arts degree.
- GOMBERG, Adeline Wishengrad. The four-year old child and television: the effects on his play at school.
- GRAHAM, Arthur. Italian pronunciation and elements of translation for singers.
- GUILBAULT, F.I.C., Brother Alexis Henry. The introduction of modern mathematics into the high-school curriculum for the college preparatory program.
- HALL, Lacy. Small group educational experience for producing changes in marital adjustment. (Joint project with Billy Sharp.)
- HALSTED, III, Henry Moore. Soviet youth in the United States; a report on the first Soviet youth delegation visit to the United States, July-August 1958, with suggestions for programming future youth delegations.
- HAMMAR, Russell Alfred. The principles and practices in developing a volunteer church choir program.
- HAMMER, George Joel. The role of the research study in the Ed.D. degree program in business education.
- HARREL, John Ralph. Orientation for freshman piano majors.
- HAVENS, John William. A survey of selected literature on five identified dimensions of operational difficulty in Christian family movement groups.
- HAYMAN, d'Arcy Sanger. Art and man: an international exhibition on the role of art in the life and education of man.
- HOLLIDAY, Jane. An ideal image of the professional nurse with a method for formulating a composite ideal image.
- HOLUB, Richard W. The technical English course at Fairleigh Dickinson University: a descriptive analysis.
- HUBERT, Gadus Johnson. An examination of the music programs of four selected Negro colleges in the Atlanta University Center with recommendations for Morris Brown College.
- JACOBSON, David. An exploration of the effect of parental attitudes on the sex identity of the child during his latency period—a case study approach.
- KANTOR, Joy Sandra. The science content of pre-school children's comments.
- KAPIT, Milton Emanuel. Marital adjustment and authoritarianism.
- KIRSCHER, William Thomas. The proposed use of case studies in the course in orientation at Fairleigh Dickinson University.
- KOPLEY, Edwin S. The electronic computer and high school mathematics.
- KOSHE, Gangadhar Shridhar. The educative value of the presentation of a foreign country by a foreign student to American children.
- KRULIK, Stephen. The use of concepts in mathematics, new in teaching the slow learner.
- LANE, Jean Carol. A study of methods of providing effective art instruction in the elementary schools.
- LEVINE, Louis Carl. Selected Israeli short stories and their culture-area background: a cross-cultural communication approach for a college literature course.
- LIBRESCO, Emile. An industrial consulting experience in a small company.
- LIDSTONE, John Francis. Processes and materials in elementary school art; a guide to art teaching in the elementary school.
- MACPHERSON, Phyllis Claire. Developing a curriculum for children and youth in Jamaica, the West Indies.
- MANTZ, Harold C. Proposals for non-course activities in colleges to promote interest in and enjoyment of the arts.
- MARKEWICH, May Elish. The postparental phase in the life-cycle of fifty college-educated women. (Joint project with Ida F. Davidoff.)
- MARTIN, Anita LeBlanc. The human problems of being a newcomer: socio-psychological integration of newcomers in an established residential suburb.
- MILLER, James Bernard. The use of performance in the teaching of music history in college.
- MISUTA, Andrew S. Personal and background factors related to reading interest.
- MOOTY, Mary Elizabeth. Some procedures to facilitate development of creativity in the visual arts for the non-art major at the college level.
- MURRAY, Noreen Stewart. Citizenship preparation for non-academic youth in New Zealand secondary schools.
- MYRESKO, Metro. A remedial speech and hearing program from Cohoes, New York.
- NISSEN, Earl Ross. Development of continuous diagnostic-teaching procedures to be used with non-reading adult inmates in penal institutions.
- NOVEY, Joseph. Some developments in the program at the Newington Hospital for Crippled Children—with special reference to its school services.
- NUCCIO, Donald Joseph. A proposed program of preparatory-terminal music experiences for the school district of Somers, Westchester County, New York.
- OHLSSON, Gordon Lewis. A proposed program for improving choral music in the Presbyterian Churches of a three-state area (Nebraska-Colorado-Wyoming) through the facilities of Hastings College, Hastings, Nebraska.
- PAIGE, Richard Herzig. Professional singing as a vocation.
- PAPANEK, Ernst. Political and educational interaction within the Austrian school.
- PARSONS, Paul James. A modern "broad context" approach to the study and teaching of literature: some possibilities for the United States Air Force Academy.
- PERRY, Frank Michael. Helping able learners improve their reading.
- PRICE, Willie Wilson. Certain concepts about parental roles held by a group of 3- to 7-year-old children in a day care center.
- RATAU, Joseph T. An experiment in topic selection in a physical science college course.
- REID, John Walling. A counseling handbook for college teachers.
- RENDELL, Joseph Warren. A plan for the continued development of the Newark State College library.
- RIAN, Norman Daniel. A handbook of suggestions for expanding the use of native music in the schools of Hawaii.
- RICHARDSON, Jean Methe. Preparation of a script and tentative guide for an educational film on individual parent-teacher conferences.
- ROMAINE, Westervelt B. Developing singers from non-singers.
- SANCHEZ, Ray. John Dewey, Jean-Paul Sartre and the modern metaphysics of value.
- SCHWARTZ, William. Content and process in the educative experience.
- SENKIER, Robert Joseph. The development of a new Master of Business Administration curriculum in the Columbia University Graduate School of Business—a case history.
- SHABAGLIAN, John A. A study of the effects of deanol, a psychic energizer, on the learning of reading by a group of mentally retarded boys, ages 12 through 15.

SHAHZAMAN, Mahboob. Art education in the college program of Pakistan.

SHARP, Billy. Small group educational experiences for producing changes in marital adjustment. (Joint project with Lacy Hall.)

SILVERSTEIN, Samuel. A study of the extent to which membership in broad range classes in the elementary school leads to social acceptance across ability levels.

SMITH, Charles Edward. Negro-white intermarriage—metropolitan New York: a qualitative case analysis.

SPAAR, Virginia Lois. Songs and music as an aid in the teaching of the French language and French culture.

STEINBERG, Paul Martin. Selected case studies of human relations: designed for a human relations training program for Rabbinic students.

STUDHOLME, Janice MacDonald. Changes in attitudes of mothers of retarded readers during group guidance sessions.

TARRANT, Patrick. French authors for the advanced French classes in high school: an introduction to literary appreciation through selected passages.

TOLIVER, Anne Peace. A study of speech in the Asheville, North Carolina, Negro public schools.

TURNER, Janet Elizabeth. A study of certain significant factors pertaining to fine art relief printing.

TURPIN, Waters. Toward a broadened program of dramatics in Maryland County high schools.

ULRICH, Arthur Henry. The development of an advanced course of study in biology.

URDANG, Miriam Eakin. Images of Asia held by sixth grade pupils in New York State: implications for instruction.

VON CSEH, Irene. A study of home economics teachers in the New York City secondary schools: their orientation in teaching foods.

WALKER, Pearl White. A study in improving interpretation of selected arias from standard operas.

WAYNE, Morton. A study of student participation in music in the public secondary schools of Massachusetts.

WHITNEY, Vernon Wood. A program of Spanish for the schools of Hillsborough County, Florida.

WILLOUGHBY, Stephen S. Representations by means of formal mathematical structures.

WILSON, Jean Lois. Case situations of student leaders in college life.

WINKELSTEIN, F. Ruth. An experimental study to evaluate a course in general semantics for mothers and their adolescent daughters in terms of changes in speech patterns and habits.

WONG, Wing-Hee Heyward. Certain problems relative to performance of Beethoven's symphonies.

The University of Connecticut

MARA, Vincent Joseph. A study of the reactions of professional educators to lay participation in curriculum study.

Cornell University

CARMICHAEL, Mary Margaret Mueller. An exploratory study of the adaptation of teaching to the community by student teachers in home economics.

CLARKE, Florence June. An investigation of the expressed goals of certain home economics educators and their students with implications for home economics education.

LAPRAY, Margaret Helen. An investigation of the linguistic approach to beginning reading with respect to word-perception.

University of Denver

GILL, Lois Jean. Some non-intellectual factors related to the academic achievement of Spanish-American secondary school students.

McLAUGHLIN, Parnell. The development of a proposal for the education of trainable children in Colorado.

YOUMANS, Raymond Elton. A further validation of the modified study of values for high school students.

The University of Florida

FERREE, JR., George Willard. Selected tools of analytic philosophy and their application in education.

WOCKENFUSS, William Arthur. Sociological bases of industrial arts for secondary schools.

The Florida State University

BURR, William L. Empirical relationships among modes of testing, modes of instruction and reading levels: in sixth grade social studies.

COULTER, J. Leon. A survey of grouping practices in use in white elementary schools, grades one through six, in selected Florida counties.

George Peabody College for Teachers

STRAIN, John Paul. Whitehead's concept of human experience as it clarifies educational precision.

University of Illinois

ARNSTINE, Donald Glueck. The aesthetic dimension of value education.

ASHCROFT, Samuel Clements. Errors in oral reading of braille at elementary grade levels.

FREY, Roger Marshall. Reading behavior of public school brain injured and non-brain injured children of average and retarded mental development.

GROTE, Charles Nelson. A comparison of the relative effectiveness of direct-detailed and directed discovery methods of teaching selected principles of mechanics in the area of physics.

JORDAN, Laura Josephine. The efficacy of a reading readiness program with the educable mentally retarded.

KALTSOUNIS, Theodore. A study concerning third graders' knowledge of social studies content prior to instruction.

KING, Willis Lorenzo. The philosophical foundations of the educational theory of Johann Gottlieb Fichte.

KOESTER, Paul William. Reading science materials for two specific purposes at the sixth grade level.

MARTIN, JR., Charles Patrick. An analysis of the cognitive and value judgments contained in the six longer works of literature most frequently taught to high school students in the United States.

ROOSSINCK, Esther Pauline. Purposeful reading of science materials by scientists and children.

Indiana University

BAGLEY, Ayers L. The concept of continuity in recent educational thought.

HUDSON, Bruce M. Leadership among ninth-grade students in the extraclass organizations of selected junior and senior high schools in Indiana.

SAYED, Fath-Elbab Abdel-Halim. Experimental comparison of the effectiveness of positive vs. negative instances upon concept attainment using instances from instructional films.

State University of Iowa

BANDIOLA, Benjamin Escaner. A comparative study of handwriting of elementary pupils in the public schools of Manila and Iowa.

KAHRS, Mary Viola. A study of the writing of numerals.

MANN, Leta Maxine. An extended reading readiness program: a selected group in the first grade.

MOORE, Arnold John. The preparation and evaluation of unit text materials in science for low-ability junior high school students.

SCHMINKE, Clarence William. A study of the effective utilization of a classroom magazine in teaching current events.

University of Kansas

BAZNIK, Charles Arthur. An attempt by college students to assume the need system of veteran teachers on the Edwards personal preference schedule.

LAKE, Kenneth Eugene. Inductive methodology versus hypothetico-deductive methodology in educational research.

Louisiana State University

FAULK, Charles Joseph. The effect of the use of a particular method in achievement in problem solving in sixth grade arithmetic.

University of Maryland

JEMISON, Thomas Housel. The concept of theory in the writings of three major educational theorists.

MERSON, Edna May. The influence of definite listening lessons on the improvement of listening and reading comprehension and reading vocabulary.

NOYES, Honora MacArthur. The role of the executive secretary as a member of management.

SCHMID, JR., John A. A study of the uses of sociometric techniques for forming instructional groups for number work in the fifth grade.

University of Michigan

DYER, Mercedes Dorotea Habenicht. An evaluation of counseling done by residence hall deans in Seventh-Day Adventist academies in the United States, with an emphasis on differences due to the sex of the dean.

EL-DIB, Fathy Abdel Maksoud. A study to determine the instructional activities used by biology teachers in ten selected Michigan high schools and the values attached to them by students.

OVERTON, Harvey William. The image of conflict and change in secondary education held by two groups of teachers in the secondary schools of a community in cultural transition.

SIBAYAN, Bonifacio Padilla. English and Iloko segmental phonemes.

SMITH, JR., Frederick Robert. The academic achievement of academically talented students.

Michigan State University

MISENAR, Burman "J". A study of defense information and orientation programs in selected Michigan high schools.

University of Minnesota

JOHNSON, Fred Arnold. Depth versus breadth in teaching American history to high school students.

University of Missouri

BROWN, Billie Wesley. Characteristic differences of trade school students and their bearing on post-school occupational plans.

FITZGERALD, Alice Irene. A study of the relative effectiveness of selected instructional procedures in a college course in children's literature.

HAFNER, Lawrence Erhardt. An experimental study of the effect on various reading achievement scores of teaching selected context aids to a group of fifth grade pupils.

LANG, Mary Jane. The relationship between certain psychological tests and shorthand achievement at three instructional levels.

NEWTON, Bertha Morse. A study of certain factors related to achievement in spelling.

The University of Nebraska

STEPP, Robert Earl. A study of the instructional communicative resources employed in selected basic courses offered at institutions of higher education.

THELEN, Leverne John. Facts and concepts of chemistry of importance for introductory high school biology.

The University of New Mexico

BARRETT, John Aloysius. The development of certification practices in New Mexico and the study of the relationships between these practices and improved education levels in the state.

New York University

AARON, James Ethridge. A study of supervisory practices in safety education in selected cities in the United States.

DOREMUS, Albert Francis. An analysis of the practical concepts concerning the role of selected audio-visual coordinators.

GEDDES, Dorothy Clara. The use of television in teaching tenth year mathematics.

KAUFMAN, Arthur. The effectiveness of coordinating subject matter of a course in technical mathematics with a related technical area.

KNIPE, Edythe (Mitchell). A comparative study of two methods of teaching mentally retarded children in southern New Jersey.

LOBDELL, Lawrence Orthel. A study of enrichment and its application to selected elementary schools.

LYNCH, James Joseph. The conference as a method in the teaching of English composition in the junior-senior high school.

MALETSKY, Evan M. The relative merits of several methods of teaching probability in elementary statistics.

OBERMAN, Jerome Philip. The utilization of special teachers in elementary schools of Nassau County, New York.

SANDLER, Barney. A comparison of an integrated course in college physics and mathematics of one semester duration with separate courses in the two subjects in a two-year community college.

STONE, Edward Fred. A guide to principles of creativity-in-teaching with suggestions for use in elementary school studies.

WEINER, Melvin. A comparison of the effect of two teaching techniques in developing the functional competence of college students in a first semester course in mathematics.

WEINICK, George David. The comparative effectiveness of two teaching methods in attaining specific course objectives.

WEISS, Irving J. Enriching science through outdoor education - a resource guide for teaching the use of the park in the elementary school.

The University of North Carolina

HENNIS, JR., Rucker Sterling. The philosophical and psychological foundations of the core curriculum in educational theory: 1918-1958.

North Texas State College

BOYD, Danny Wayne. A study to determine the differences in gains in reading ability between two methods of instruction in language arts.

TRIEBER, Jacob Marshall. The development of a program in humanities for the junior college curriculum.

The Ohio State University

CALHOUN, Calfrey C. The identification, classification and evaluation of public relations activities and practices in secondary-school business education.

EICHHOLZ, Gerhard Carl. Development of a rejection classification for newer educational media.

FRITZ, Robert Charles. Ceramic technology: a technological research and curriculum analysis, with implications for industrial education.

Oklahoma State University

LAKIN, Marshall. A study of teacher evaluation of materials for aviation education in California elementary schools.

WALL, Claude Leon. Problems in teaching English to Navajo children.

University of Oregon

ENDRES, Raymond Joseph. The historical development of elementary school functions in America.

HALES, Bernell W. A study of music reading programs in high school choruses in the Rocky Mountain states.

SYLWESTER, Robert Alfred. Intermediate grade pupils' opinions about disciplinary practices teachers commonly employ in meeting classroom behavior annoyances.

The Pennsylvania State University

ANNIS, Eleanor Audrey. The effect of certain teaching methods on college students' art attitudes and appreciations.

CARLINE, Donald Eugene. An investigation of individualized reading and basal text reading through pupil achievement and teacher performance.

DAVIS, Betty. The effect of reinforcement in teaching arithmetic on the performance of fifth grade students.

LOTTE, JR., John Joseph. The effects of open-circuit television demonstrations of reading instruction on the observed classroom performances and attitudes of teachers.

MEINZ, Algalee Pool. General creativity of elementary education majors as influenced by courses in industrial arts and art education.

MURRAY, James Robert. The comparative effectiveness of condensed-visualized methods versus taped-demonstration methods in teaching operation of the VM tape recorder and Victor 16 mm. projector.

ROY, James Peter. The relationship of certain religious attitudes to artistic behavior.

SNYDER, Jack Russell. Effect of adding the problem solving project technique to a lecture laboratory method in teaching college biology.

WILLAR, Sidney Blair. The effectiveness of certain supervisory practices on pupil achievement in grades 7, 10 and 12 of the social studies classes of the Bald Eagle area schools.

ZERBY, John Richard. A comparison of academic achievement and social adjustment of primary children in the graded and nongraded school programs.

Purdue University

GOLDSMITH, Frances S. Some attitudes held by secondary school superintendents, principals, guidance counselors toward aspects of home economics.

OLIVER, Montague Montgomery. An experimental study to compare the relative efficiency of three methods of teaching biology in high school.

WAGNER, Edgar Stephen. An analysis of purposes accepted by, teaching techniques used by, and resources available to industrial arts instructors in Indiana high schools employing one industrial arts instructor.

Radcliffe College

ROLAND, Jane. Explaining, understanding, and teaching history: a philosophical analysis.

St. Louis University

AVALOS, Beatrice. The problem of man and community in contemporary thought: implications for Catholic education.

University of Southern California

BEDFORD, Charles Mitchell. The concept of the authentic individual and its implications for building a framework for an existential philosophy of education.

BROWN, Hamilton. Trends in secondary summer school curriculum in California.

COOPER, Jack Harold. Cooperative activities of industry and secondary education with special reference to programs in southern California.

DOYLE, Marvyl. Readability as a key for evaluating junior college freshman English anthologies.

LAWRENCE, John Dennis. The application of criteria to textbooks in the secondary schools of Los Angeles County.

MCBEATH, Ronald James. A comparative study of the effectiveness of the filmstrip, sound filmstrip, and filmograph for teaching facts and concepts.

O'CONNOR, Robert John. An analysis of the bases for the concept of equality.

STOCKS, William David. The role of the elementary principal in improving instruction.

TRUHER, Helen Burke. Relationships between difficulty levels of assigned texts and reading ability of elementary school pupils.

Stanford University

BROSE, Raymond Edwin. Performance in drawing as related to the use of limited versus varied media.

HANCOCK, John David. The evolution of the secondary mathematics curriculum: a critique.

HENDERSON, Braxton Comer. A comparative analysis of post-high-school bookkeeping experiences of selected business students.

LARSEN, Charles McLoud. The heuristic standpoint in the teaching of elementary calculus.

WUBBEN, Hazlett Horace. Formulating recommendations for curriculum improvement in an urban multi-high-school district.

Temple University

DANIELS, Paul Richard. An analysis of primary reading vocabulary.

HOUGH, John Burr. An analysis of the effectiveness and efficiency of selected aspects of teaching machine instruction.

The University of Tennessee

ADKISSON, David Flintoff. Lay participation in classroom instructional programs.

COX, Roy Leonard. The curriculum of the senior high school; a survey of offerings, changes and trends in the southern Appalachian region.

MARTIN, Ralph H. A biracial study of entry job facts found among selected manufacturing and research industries located in metropolitan Knoxville, Tennessee, and their implications for selected secondary schools and colleges.

The University of Texas

EL LAISSI, Mahmud Ibrahim. An appraisal of classroom practices currently used by teachers of English as a first foreign language in the Egyptian government academic secondary schools, 1959-60.

VANCE, Mildred Burl. An analysis of ninety-six elementary school children's responses to fifteen selected paintings.

University of Toronto

BANCROFT, George Winston. Occupational status, mobility and educational achievement of 522 males in southern Ontario.

Utah State University

DALBY, Max Foreman. Psychology and method in teaching woodwind instruments.

Washington State University

JOHNSON, Wynne Elton. Prediction of high school achievement by the use of an attitude scale and a group intelligence test.

Western Reserve University

WOLLAM, Walter Ailes. A comparison of two methods of teaching reading.

The University of Wisconsin

LENSING, Ellen Louise. An experiment to compare terminal achievement in second-semester shorthand classes taking dictation from the teacher and classes taking dictation from a range of tape-recorded material. Republic.

SHAKHASHIRI, Shatha. The possible contribution of the field of guidance to the educational system in Egypt, United Arab Republic.

SHAMPO, Marc Anthony. A comparative study of two teaching methods in high school general chemistry.

University of Wyoming

CANUTE, Russell J. An exploratory evaluation of certain aspects of the listening program as a part of the study skills course at the University of Wyoming.

HAMM, George F. An evaluation of the Wyoming state teacher scholarship program.

UBER, Mary Irene. A follow-up study of the 1955-1958 graduates of Central Washington College of Education who were teaching in secondary schools in the state of Washington during the 1959-1960 academic year.

ENGINEERING

GENERAL

University of California, Los Angeles

DONALSON, Dale Douglas. The theory and stability analysis of a model referenced parameter tracking technique for adaptive automatic control systems.

HAMMEDI, Ibrahim Besheer. The attitude of a variable mass system.

MEIROVITCH, Leonard. Attitude stability of a disk subjected to gyroscopic forces.†

PASKUSZ, Gerard F. Fenestra stiffness on fenestration.

PLATUS, Daniel H. A problem of quasi-static axially-symmetric thermal stress in an elastic half-space.

RUBINSTEIN, Moshe F. Dynamic analysis of multi-story framed structures.

STEAR, Edwin Byron. Synthesis of shaping filters for nonstationary stochastic processes and their uses.

California Institute of Technology

COLLINS, Daniel Joseph. Microhydrodynamics: a study of hydrodynamic interactions of macromolecules in solution by means of precision viscometry.

Columbia University

COOPER, Hilda L. and MINDLIN, R. D. On the equations of extensional motion of crystal plates.

GIFFLER, Bernard. Mathematical solution of production planning and scheduling problems.

NANJUNDIAH, Hassan Narasimha. Managerial system design.

Cornell University

RITTI, Raymond Richard. Engineers and managers: a study of engineering organization.

Georgia Institute of Technology

NEWBERRY, JR., Thomas Levy. Measures of effectiveness for selected inventory policies under stochastic processes.

Harvard University

BRYANT, George Thomas. Stochastic theory of queues applied to design of impounding reservoirs.

CANTRELL, JR., Robert Headden. Gas film effects in the linear pyrolysis of solids.

CORN, Morton. The adhesion of solid particles to solid surfaces.

LEE, Shao-lin. Natural convection above a line fire.

NELSON, Frederick Carl. Vibration of circular ring segments.

WU, Tai Te. Plastic stress-strain relation of a face centered cubic polycrystal.

Iowa State University of Science and Technology

SMITH, Gerald Wavern. Regulatory policies on liberalized depreciation and their effects upon public utilities.

The Johns Hopkins University

PROMISEL, David Mark. Visual target location as a function of number and kind of competing signals.

SEGAL, Moshe. On the behavior of queues subject to job shop conditions.

SINGER, Sidney. A stochastic model of variation of categories of patients within a hospital.

Lehigh University

LU, Le-Wu. Stability of elastic and partially plastic frames.

University of Michigan

WILSON, Richard Christian. Evaluation of spatial relations and empirical plant layout criteria by digital computer.

Northwestern University

BEIGHTLER, Charles Sprague. Systems of interrelated quality control stations structured as multi-stage decision processes.

SHETTY, Citharanjan Marakada. Analytical methods of process analyses including techniques for sensitivity studies and quadratic programming.

University of Notre Dame

WILCOX, Marion Walter. The effect of mid-plane temperatures on the response of plate-like and composite structures.

The Ohio State University

MILLER, Robert Frederick. An analysis of a motor freight scheduling problem.

PRITSKER, A. Alan B. The optimal control of discrete stochastic processes.

Oklahoma State University

MAHER, Thomas Francis. An investigation of the transportation and evaporation of fog or mist when sprayed into an air stream.

SORGE, William Adolph. Vibrations in liquid cylinders and liquid filled pipes.

STAFFORD, Paul Michael. Communication as the basis for a dichotomous classification of managerial work.

Purdue University

BARANY, James Walter. The nature of individual differences in bodily force exerted during a motor task as measured by a force-platform.

BEDWORTH, David D. Design of an electro-mechanical device for simulating product flow characteristics in a manufacturing line.

DUNKIN, John William. On the propagation of waves in an electromagnetic elastic solid.

Stanford University

HILLIER, Frederick Stanton. New criteria for selecting continuous sampling plans.

SMITH, Barnard Elliot. Some economic aspects of quality control.

Washington University

ROSS, Donald Kenneth. Information concepts in work analysis.

AERONAUTICAL

University of California, Berkeley

SHAH, Maneshchandra Jagmohandas. On the rate of heat transfer in laminar boundary-layer flows of non-Newtonian fluids past a horizontal cylinder.

University of California, Los Angeles

INMAN, Robert M. Heat transfer to fully developed flow in a circular tube with arbitrary velocity distribution, internal heat sources and wall heat transfer.

California Institute of Technology

AI, Daniel Kwoh-i. I. Cylindrical couette flow in a rarefied gas according to Grad's equation. II. Small perturbations in the unsteady flow of a rarefied gas based on Grad's thirteen moment approximation.

Cornell University

BROCHER, Eric Francois. On the similar solutions of strong blast-waves and their application to steady hypersonic flow.

PIERCE, Felix John. The turbulent flow at the plane of symmetry of a three-dimensional collateral boundary layer.

University of Illinois

STANNARD, Edward Alexander. Nonsteady transonic and supersonic flow about flexible slender bodies of revolution.

TSUNG, Cheng Chih. Study of three-dimensional supersonic flow problems by a numerical method based on the method of characteristics (specially adapted for use on high speed electronic digital computers).

Massachusetts Institute of Technology

CULICK, Fred Ellsworth Clow. Stability of high frequency pressure oscillations in rocket combustion chambers.

HAVILAND, John Kenneth. Monte Carlo application to molecular flows.

HOVORKA, John. Damping of inertial navigation systems.

KAYTON, Myron. Coordinate frames in inertial navigation.

KENNET, Haim. Some steady and unsteady inviscid hypersonic flows past bluff bodies.

NELSON, JR., Robert Henry. Sloshing of a fluid draining from a flexible tank.

SMITH, Harold William. Analysis of non-linear feedback systems with random inputs.

McGill University

WU, Jim Hsiao-Ta. An experimental study of perforated intake diffusers at a mach number of 2.50.

University of Michigan

CROCKER, Gage Houston. Stagnation point fluctuations and boundary layer stability on bodies of revolution with hemispherical noses.

DUNLAP, Roger. Effects of cooling on transition in the boundary layer on a hemisphere in simulated hypersonic flow.

ESTES, JR., Howard Mitchell. Use of state variable concepts in the synthesis of linear sampled-data control systems.

New York University

DE SANTO, Daniel Frank. Numerical analysis of unstable non-linear oscillations in a laminar boundary layer.

FEINBERG, Irwin. On the existence of two-dimensional subsonic compressible jets.

The Ohio State University

BREUER, Delmar Wallace. Torsional stiffness of non-uniformly heated cantilever plates for any aspect ratio and initial twist.

The Pennsylvania State University

FOX, John Arthur. Hydrodynamic stability and transition of the boundary layer.

MATHIEU, Richard Detwiler. Shock wave structure in a fully ionized gas based on multicomponent continuum equations.

Princeton University

BASTRESS, JR., Ernest Karl. Modification of the burning rates of ammonium perchlorate solid propellants by particle size control.

DOBBINS, Richard Andrew. Light scattering and transmission properties of sprays.

McALEVY, III, Robert Francis. The ignition mechanism of composite solid propellants.

PAIEWONSKY, Bernard Hirsh, 1933-. A study of time optimal control.

REARDON, Frederick Henry. An investigation of transverse mode combustion instability in liquid propellant rocket motors.

ROSNER, Daniel Edwin. The theory of diffusion, heat exchange and chemical surface catalysis in flow systems.

SICHEL, Martin. A study of the leading edge of a shock induced boundary layer.

Purdue University

CAPPELLARI, JR., James Oliver. Effect of the geomagnetic field on the orbit of a charged satellite.

NORMAN, Wendell Smith. Lateral stability of a vehicle equipped with a hydraulic power steering system.

ZAK, Adam Richard. Buckling by thermal and external compressive loads of thin cylindrical shells filled with an elastic core.

Rensselaer Polytechnic Institute

PAN, Coda H. T. The planar interactions between a fully developed channel flow and a magnetic field having a weak spatial periodicity.

TOBA, Kaoru. Compressibility effect on the low Reynolds number flow in a sector thrust bearing.

WANG, Kuo C. Linearized dissociating gas flows.

University of Southern California

SMETANA, Frederick Otto. Measurement of true angle of attack and true angle of sideslip by sensing the motions of an aircraft.

University of Toronto

SREEKANTH, Agaram Krishnamachar. Drag measurements on circular cylinders and spheres in the transition regime at a mach number of 2.

AGRICULTURAL

University of California, Davis

VAN REST, David John. Egg production facilities design by cost minimization.

Cornell University

CHAHAL, Ramlal Singh. Supercooling of water in glass capillaries.

Iowa State University of Science and Technology

ALTMAN, JR., Landy Boyd. Loading rural distribution transformers.

BIGSBY, Floyd Wilber. Effect of an air film on soil to tillage surface friction.

BUNN, Joe Millard. Two-dimensional flow through porous media.

CUNNINGHAM, Floyd Mitchell. Physical factors influencing mixing in bulk milk tanks.

JACOB, Connayil Mani. Incipient motion of solid particles in a two-dimensional flow field.

ZASLAVSKY, Dan. Soil water dynamics.

Michigan State University

HARRIS, Wesley Lamar. Dynamic stress transducers and the use of continuum mechanics in the study of various stress-strain relationships.

JOHNSON, William H. A soil moisture loss method for characterizing simulated tillage treatments.

MYERS, Earl Abraham. Hydrologic analysis of small agricultural watershed.

University of Missouri

CARGILL, Burton F. J. Effect of humidity on heat and vapor dissipation of Holstein cows at 65, 80, and 90 F.

YECK, Robert Gilbert. Evaporative heat losses of dairy cattle at high environmental temperatures.

North Carolina State College

JOHNSON, William Hugh. Steady-state thermodynamics in the analysis of the curing process for bright-leaf tobacco.

Purdue University

LEMBKE, Walter Dale. The transition from part-full to full flow in steep circular drains.

ROLLER, Warren Leon. Radiant, convective, and evaporative heat losses from laying hens at high dew point temperatures.

WALKER, John Neal. Interpretation and measurement of strains in wood.

WALTON, Harold V. Heat and moisture production of mature leghorn chickens.

Utah State University

AL-KHAFI, Abbas Nasir. Two dimensional flow in steep rough channels.

The University of Wisconsin

BARQUEST, Glenn Donald. A study of comprehension of selected engineering drawings.

CHEMICAL

University of British Columbia

DULLIEN, Francis Andrew Leslie. Diffusivities in the ethanol-water system. The applicability of the diaphragm cell method to the case of systems where volume changes occur on mixing.

Polytechnic Institute of Brooklyn

CHEN, Ning Hsing. New generalized equation for gas diffusion coefficient.

GOLDBERGER, William Morgan. The kinetics of nickel carbonyl formation.

LIN, Min-Shuey. The use of equation of state for prediction of vapor-liquid equilibria.

MAYURNIK, George. The oxidation of paracymene.

POLINSKI, Leon M. The frequency response of hydrogen adsorptions on a nickel catalyst.

ZENZ, Frederik A. Effects of particle size distribution on saltation velocity and bin flow.

University of California, Berkeley

MURAY, Julius. Volume and surface conductivity of borosilicate glass.

WILCOX, William Ross. Fractional crystallization from melts.

Carnegie Institute of Technology

BALDWIN, JR., David Edward. Heat transfer in beds of oriented spheres.

DUNCAN, John Bruce. An experimental study of three component gas diffusion.

GESER, John Joseph. Physical adsorption of hydrogen and methane on fixed beds of activated carbon.

SEBULSKY, Raynor Tyler. Ternary mass transfer.

Case Institute of Technology

BELL, Edward Graham. Dialysis techniques for study of emulsifier transport phenomena in latex.

CONSTAN, Gus Louis. Mass transfer in drops under conditions that promote oscillation and internal circulation.

HOVORKA, Robert Bartlett. An asymmetric residence-time distribution model for flow systems.

University of Cincinnati

CRAWFORD, Lloyd William. Natural convective heat transfer from a horizontal cylinder with and without vibration.

GERRARD, John Edward. Multicomponent diffusion and precipitation in metallic systems.

GOTTSCHLICH, Chad Flory. Axial dispersion in a packed bed.

NALLAPERUMAL, Ulganathan. Kinetics of the hydrogenation of cyclohexene in trickling-bed reactors.

University of Colorado

DRAVER, Dennis Eugene. An experimental investigation of the heat transfer coefficients for boiling and condensing hydrogen films.

Columbia University

CUTTER, Louis A. Flow and turbulence in a stirred tank.

GANDEK, Andrew. Vapor-liquid equilibria in the ethanol-benzene system at elevated pressures.

GREENE, David Ferguson. Diffusion in laminar flow: a boundary layer study.

LITT, Mitchell. Diffusion controlled reactions in a laminar boundary layer.

Cornell University

CHRISTENSEN, Craig Mitchell. Liquid-liquid extraction efficiencies of a pulsed packed column and a pulsed sieve-plate column of four-inch diameters.

COUGHLIN, Robert William. Heat and mass transfer in a mixer-settler.

HANESIAN, Deran. Simultaneous heat and mass transfer in a packed liquid-liquid extraction column.

POLLER, Dennis. Swelling studies of butyl vulcanizates.

RICKARD, Corwin Lloyd. Average and local heat transfer for crossflow of liquid metal in a tube bank.

YANG, Tah-Teh. Splitter effect in conical diffusers.

University of Delaware

ATALLA, Rajai Hanna. A spectrophotometric investigation of the influence of inerts on hydrocarbon flames.

BOGUE, Donald Chapman. Velocity profiles in turbulent non-Newtonian pipe flow.

CONVERSE, Alvin Omar. Gas pulsations in pipes.

RANKIN, Sidney. Forced convection film boiling inside of vertical pipes.

The University of Florida

CHAPNERKAR, Vasant Dinkarrao. A kinetic study of the chlorination of unbleached kraft pulp.

CHENG, Shang-I. The effect of surface geometry on the mass transfer into laminar liquid layers.

DAVIES, Howard Arthur. Relationship of conductivity and catalytic activity of semiconductors to excitation by gamma radiation.

FRANKE, Fritz Richard. Transient response of a distillation tower to changes in feed composition.

MAY, III, Frank Pierce. A study of some transient conditions in continuous binary distillation operations.

POSKA, Forrest Lynn. Individual phase behavior in liquid-liquid extraction.

Georgia Institute of Technology

KIM, In Ho. Naval stores from distillation of pine in a fluidized bed.

SPURLOCK, Jack Marion. The effects of acoustic vibrations on air in a resonant horizontal tube with and without through-flow.

STONECYPHER, Thomas Edward. Heat transfer to liquids in swirling motion.

TECHO, Robert. Liquid-liquid phase equilibria.

University of Illinois

ANDERSON, Richard Charles. Crystallization of lead metaniobate from a glassy phase.

BERGERON, Clifton George. Crystallization of perovskite lead titanate from glasses.

CRUM, Glen Francis. Average temperatures and temperature fluctuations behind a heated wire.

HAERTLING, Gene Henry. The kinetics of the reduction of lead compounds and glasses.

HARDING, John Windsor. Kinetics of catalytic decomposition of nitric oxide.

HOSLER, Earl Ramon. Film boiling on horizontal plates.

JOHNK, Robert Ernst. Development of temperature profile for turbulent heat exchange in a pipe.

LEFORT, Henry Gerard. High temperature tensile strength of ceramic adhesives to stainless steel.

WELCH, John Francis. Microscopic study of dropwise condensation.

Illinois Institute of Technology

BISCHOFF, Kenneth Bruce. Fluid dispersion-generalization and comparison of mathematical models.

The Institute of Paper Chemistry,
affiliated with Lawrence College

COWAN, Wavell Frederick. An investigation of the hot surface drying of glass fiber beds.

ESTRIDGE, Ronald Bradford. The initial retention of fibers by wire grids.

SPALDING, Charles Warren. The absorption of chlorine into aqueous media in light of the penetration theory.

State University of Iowa

CHOI, Il Chu. Mass transfer mechanism in a short horizontal extraction column.

Iowa State University of Science and Technology

BIERY, John Carlton. The transient start up behavior of a liquid-liquid extraction pulse column.

GRAHAM, Harold LaVerne. Effect of pulse column variables on bubble diameter.

HONEKAMP, John Richard. The role of the packing in a Scheibel extractor.

McGEE, Thomas Donald. Deformation characteristics of the alumina-silica system at elevated temperatures and pressures.

The Johns Hopkins University

MIDDLEMAN, Stanley. Expansion and contraction of jets of Newtonian and non-Newtonian liquids.

University of Kansas

LOHRENTZ, John. An experimentally verified theoretical analysis of the falling cylinder viscometer.

Lehigh University

MAHONEY, John F. The effects of orifice plate wettability and chamber volumes on bubble mechanics.

Louisiana State University

BROOKSHIRE, William Alfred. A study of the structure of turbulent shear flow in pipes.

HUCKABAY, Houston Keller. A study of the cascade board as a mass transfer device.

PAUL, Biraja Bilash. Evaluation of commercial deliveries of sugar cane.

WINKLER, Donald Allen. A new correlation for direct contact heat transfer co-efficients in baffle and perforated plate towers.

University of Louisville

KAFESJIAN, Ralph. Gas-phase mass transfer in wetted-wall towers.

ROTH, John Austin. Vapor liquid equilibrium of organic homologues in ethanol water solution.

University of Maryland

DEPUE, Leland Arthur. The influence of silicon on gun metal alloys.

Massachusetts Institute of Technology

BOLGER, Justin Christopher. Rheology of kaolin suspensions.

BROWN, Sherwood Fiske. Chemical and physical constitution of reduced-red glazes.

CECKLER, William Herbert. Decomposition flame of hydrogen peroxide vapor.

CLEVENGER, JR., Thomas Russell. Behavior of Fe^{4+} in the system $SrFeO_3$ - $SrTiO_3$.

DEL HIERRO SANTACRUZ, Eduardo. Kinetics of carbon-steam reaction.

GORDON, Gerald Arthur. Sorption by modified, highly crosslinked polymers.

IWASYK, John Maurice. Carbon-hydrogen system at temperatures above 2500 degrees centigrade.

KEHAT, Ephraim. Burning velocities of the hydrogen peroxide decomposition flame.

MAAK, Robert O. Synthesis of hydrogen cyanide at elevated temperatures.

MOHR, Charles Michael. Transient behavior in plate tower distillation of binary mixtures.

MOORE, Albert Lloyd. Kinetics of precipitation polymerization of vinyl chloride.

NERHEIM, Noble Martin. Combustion of carbon monoxide in a well-stirred reactor.

SCHNEIDER, George Ronald. Kinetics of propane combustion in a well stirred reactor.

TAUSCH, JR., Frederick William. Mechanism by which surfactants modify adipic acid crystal growth rate and habit.

VAN WORMER, JR., Kenneth Augustus. Reactions of methane with iron and iron oxides in fluidized beds.

VAUGHEN, Victor Cornelius Adolph. Equilibrium extraction characteristics of alkyl amines and nuclear fuels metals in nitrate systems.

VIETH, Wolf Randolph. Study of polyethylene terephthalate by gas permeation.

WARSHAW, Stanley Irving. Deformation behavior of polycrystalline aluminum oxide.

WECHSLER, Alfred Elliot. Chemical kinetics in porous-walled reactors.

WHANG, Ho Youn. Counter-diffusion of gases through microporous solids.

YEUNG, Sze Chit. Surface and mass transfer limited kinetics in a solid-gas reaction—the decomposition of H_2O_2 vapor in a tubular reactor.

McGill University

PEI, David Chung-Tze. Simultaneous heat and mass transfer under natural and forced convection.

THEMELIS, Nickolas John. Studies of the reduction of iron oxides in particulate systems.

University of Michigan

ANGUS, John Cotton. The electrolysis of some liquid alloys.

BALZHISER, Richard Earl. Third component interactions with the uranium-bismuth system.

BERRY, Guy Curtis. Solution and bulk properties of some artificially branched polyvinyl acetates.

BIRBARA, Philip James. Local mass transfer from cylinders to a transversely flowing gas.

BRAY, Ben George. Diffusion of tritiated hydrogen in dense gas systems of hydrogen, hydrogen and carbon dioxide, and hydrogen and argon.

BROWN, Ralph. Sprays formed by flashing liquid jets.

CHEN, John Chun-Chien. Radiant heat transfer in packed media.

FRIEDMAN, Morton Harold. A study of consecutive competitive reaction systems.

GALLINI, John B. The stereospecific polymerization of 1-pentene.

HELLUMS, Jesse David. Finite difference computation of natural convection heat transfer.

HIESTAND, John Harold. Hydration of propylene with a cation exchange resin catalyst.

HWANG, Yu-Tang. The constant volume heat capacities of gaseous tetrafluoromethane, chlorodifluoromethane, dichlorotetra-fluoroethane, and chloropentafluoroethane.

KATZ, Marvin LaVerne. Fluid flow and heat transfer in stratified systems.

LEDERMAN, Peter Bernd. Adsorption of nitrogen-methane on Linde molecular sieve type 5A.

SILVER, Howard Findlay. Vapor-liquid equilibrium ratios in hydrogen hydrocarbon mixtures.

STEIN, Fred Paul. The integral isobaric heat of vaporization of mixtures.

TOWELL, Gordon David. Kinetics of the thermal decomposition of ethane to acetylene in nonuniform temperature fields.

ZARTMAN, William Nelson. Heat transfer from acoustically resonating gas flames in a cylindrical burner.

Michigan State University

SARLI, Vito Joseph. Extraction in packed columns pulsed and unpulsed.

University of Minnesota

MCCABE, John Murray. A study of the chlorination of benzene using Co^{60} gamma radiation in a flow system.

NELSON, Rodney Alden. Simultaneous heat and mass transfer by natural convection in liquid systems.

University of Missouri

HONG, Sung Ho. Individual mass transfer resistances in liquid-liquid extraction.

Montana State College

SCHREIBER, Gary Paul. Rates of destructive hydrogenation of pyrrole and pyridine.

New York University

KUPCHIK, George J. Determination of uric acid in polluted waters.

KUSIK, Charles Lembit. Boundary layer mass transport with heterogeneous catalysis.

PACKARD, Richard Darrell. Drop formation in two-liquid-phase systems with simultaneous extraction.

SILBER, Alvin Daniel. The high temperature pyrolysis of propane and n-butane.

North Carolina State College

LENAS, Leandros Philip. Evaluation of sulphurous acid as a leaching agent for oxidized low grade nickel ores.

PALMOUR, III, Hayne. Dislocation structures in single crystal sapphire as revealed by thermal etching.

Northwestern University

EUBANK, Philip Toby. The thermodynamic properties of polar compounds.

KOPPEL, Lowell B. Heat transfer and thermodynamics in the critical region.

MINGLE, John O. Temperature and convection gradients within porous catalysts.

The Ohio State University

ETTER, Doyle Owen. Critical properties of multi-component hydrocarbon systems of known composition.

McMICKING, James Harvey. Vapor pressures and saturated liquid and vapor densities of isomeric heptanes and octanes.

SHONEBARGER, Francis Joseph. The use of electrostatic charge to study glass surfaces.

SHOOK, William Beattie. The measurement of impact stresses in brittle materials.

WARE, Robert Kenneth. A fundamental approach to the development of porcelains having low firing shrinkage.

WETHERN, Richard Jay. Heat and momentum transfer in laminar flow: helium, initially at plasma temperatures.

The University of Oklahoma

BOYER, Lyndon Dean. An experimental and theoretical investigation of vertical barriers in liquid thermal diffusion columns.

HAMILTON, Robert Lee. Thermal conductivity of heterogeneous mixtures.

Oklahoma State University

ERBAR, John Harold. Correlations for multi-component distillation calculations.

JUNE, Reid Robinson. Pressure drop during forced convection local boiling of water containing an organic additive.

University of Pennsylvania

DELANEY, Lawrence John. The rate of vaporization of water, ice, and methanol.

SPENCER, Jordan L. Dynamic response of a tubular chemical reactor.

SZPAK, Stanislaw John. The role of the interface in liquid-liquid mass transfer.

THYGESON, JR., John Robert. The irreversible embrittlement of steel by hydrogen at high pressure and high temperature.

The Pennsylvania State University

ARMINGTON, Alton Fearing. Surface effects on the low temperature gasification of carbons.

AUSTIN, Leonard George. The effect of mass transport on the carbon-carbon dioxide reaction.

GARDNER, Robin Pierce. A phenomenological approach to the batch grinding of coals.

LAYDEN, JR., George Kavanaugh. The hydration of magnesia.

NELSON, Eric Thompson. The unsteady state diffusion of gases from anthracite at high temperatures.

RAKSZAWSKI, John Francis. The catalytic effect of iron on the carbon-carbon dioxide reaction.

SARVER, JR., James Floyd. Polymorphism, subsolidus equilibria, and luminescence data on phases in the system $\text{ZnO-MgO-GeO}_2\text{-SiO}_2\text{-TiO}_2$.

SHORT, Michael Arthur. Some advances in x-ray diffractometry and their application to the study of anthracites and carbons.

THOMAS, Methratta Paul. Reaction of bituminous coal with concentrated sulfuric acid.

WEINSTEIN, Allan. The radiation chemistry of coal in various atmospheres.

WILLIAMSON, JR., Kenneth Donald. Design and mass transfer study for new multi-stage fluidization reactor.

University of Pittsburgh

BOURNIA, Anthony. A study of the longitudinal dispersion of gases in laminar flow in a circular tube.

FUNK, James Ellis. Some theoretical and experimental aspects of gas-liquid partition chromatography.

GIBBONS, Joseph Harrison. Effects of sonic vibrations on heat transfer.

HARBAUM, Kenneth Lee. Effects of sonic vibrations on the rate of absorption of gases from bubble beds.

LEONARD, James Howard. Mass transfer and velocity of rise phenomena for single bubbles.

McGOUGH, Charles Brownell. A study of the rare earth oxides as catalysts for the dehydrogenation of cyclohexane using a programmed temperature flow reactor.

Princeton University

DRANOFF, Joshua Simon. Ion exchange in ternary systems.

HEITMAN, Richard Edgar. An analysis and interpretation of polymer stress relaxation data.

SCHIESSER, William Edward. A study of fluid flow and mass transfer in trickle-bed reactors.

SCHWAAR, Robert Henry. Power absorption of Bingham plastics in rotational devices.

Purdue University

HANNA, Owen Titus. Heat and momentum transfer in the incompressible boundary layer on a flat plate.

McCARTY, Charles Bruce. The use of a vacuum beam microbalance for adsorption studies of oxygen, ethylene, and ethylene oxide on a silver catalyst.

TORY, Elmer Melvin. Batch and continuous thickening of slurries.

Radcliffe College

GALAL, Hend Abdallah. Bromoamides; their formation and occurrence in aqueous solution.

Rensselaer Polytechnic Institute

BRESAN, III, Vincent P. Swirling flow in cyclones and cylinders.

GEORGE, JR., Henry H. Heat and mass transfer in drying processes.

IANNIELLO, Louis C. The effect of certain rare-earth elements on the alpha-beta transformation of zirconium.

LJUNGLIN, James J. Calculation of vapor-liquid equilibrium from vapor pressure measurements: the system ethanol-toluene.

Rutgers University

BABA, Paul D. A study of the aging phenomenon in barium titanate single crystals.

CHARTERS, Melvin L. Growth and investigation of ferroelectric cadmium niobate single crystals.

CHI, Ung Up. Role of crystal and glass phase in flow at high temperature.

Syracuse University

GRESSER, Joseph Deveron. Methyl affinities of certain aromatic and olefinic compounds.

The University of Tennessee

FISHER, Gerald Thomas. The separation of aqueous two-salt solutions in horizontal thermal diffusion columns: the system $\text{CuSO}_4\text{-CoSO}_4\text{-H}_2\text{O}$.

GRAY, Robert Ivan. The dynamics of a packed gas absorber by frequency response analysis.

HERSHEY, Daniel. Liquid thermal diffusion: the prediction of separations; experimental data for $\text{CuSO}_4\text{-CoSO}_4\text{-H}_2\text{O}$ using a soret cell of new design.

The University of Texas

KANG, Tzu-Liang. Thermodynamic properties of sulfur dioxide.

MATHEWS, JR., Joseph Franklin. The thermodynamic properties of normal propyl alcohol.

MC MAKIN, Laurence Earl. Vapor-liquid equilibrium in the system: n-hexadecane-bibenzyl-phenanthrene at 100 mm. Hg absolute.

POZZI, JR., Anthony Lawrence. Methods of precise experimentation in heterogeneous catalysis.

Agricultural and Mechanical College of Texas

BOWMAN, Charles Hay. An improved equation of state for gaseous hydrocarbon mixtures.

FERRELL, Howard Hulen. Dynamic capillary phenomena in oil recovery by water flooding.

University of Toronto

BOWMAN, Clement Willis. Mass transfer from disperse particles.

HAMIELEC, Alvin Edward. Studies of fluid flow and mass transfer in drops.

HOVNANIAN, Vahé Philip. I. The thermal decomposition of ethane. II. Oxidation of light hydrocarbons.

MARANGOZIS, John. Mass transfer with and without chemical reaction.

RAAL, John David. Liquid-liquid extraction.

WARD, Douglas Macbain. Mass transfer from solid and fluid spheres at low Reynolds numbers.

University of Utah

FU, Yuan-Chin. Reaction mechanism and kinetics in the diborane-carbon monoxide borane system.

HANKS, Richard Wylie. The non-isothermal flow of non-Newtonian fluids.

HORTON, Marvin Duane. Oscillatory burning of solid rocket propellants.

LINFORD, Robert Guild. A study of pulsatile flow phenomenon.

University of Washington

DAVIS, Earl James. Heat transfer and pressure drop for high quality steam-water mixtures flowing in a horizontal, rectangular duct, heated on one side.

KABEL, Robert Lynn. Reaction kinetics, adsorption, and equilibrium in the vapor phase dehydration of ethanol to diethyl ether as catalyzed by ion exchange resin.

RATKOWSKY, David Allen. Gas absorption accompanied by ionization of the solute with specific reference to the system sulfur dioxide-water.

SMOOT, Leon Douglas. Mass transfer studies in a pulsed extraction column.

VASISHTH, Ramesh Chander. Studies of the cation exchange system $Fe^{++} - H^{+}$.

West Virginia University

BARNARD, Richard Hall. Dielectric constants of some bituminous coals and coal blends.

William Marsh Rice University

DURBIN, Leonel D. Diffusion of krypton-85 in dense gases.

The University of Wisconsin

BROCK, James Rush. Investigation of the utilization of thermal diffusion in separation processes.

CHITTENDEN, David Henry. Drying of single kernels and deep beds of shelled corn.

CHU, Chieh. Economic design of a nitric oxide oxidation reactor.

EDWARDS, Charles Lander. Dynamics of a flow forced concentric tube heat exchanger.

EDWARDS, David Owen. Numerical solution for certain kinetic models for fixed bed operation.

ENGEL, Alfred Julius. The three-phase hydrolysis of isoamyl acetate in a stirred reactor.

MULAY, Avinash Ganpatrao. Catalytic oxidation of carbon monoxide at low concentrations.

RAMASWAMI, Devabbaktuni. Reaction rates in fluid systems catalyzed by solid particles in fixed beds.

REED, John Charles. A study of mass transfer from single bubbles during the formation period.

ROGERS, Gary Boyd. Kinetics of the catalytic hydrogenation of propylene.

ROTHFELD, Leonard Benjamin. Diffusion and flow of gases in porous catalysts.

Yale University

LEUTWYLER, John Connor. The study of the kinetics of the hydrogenation of ethylene in a recycling differential reactor.

OLSON, Jon Hanning. Transient adsorption kinetics in fixed beds.

ZWIEBEL, Imre. Free-radical yields in gamma irradiated n-alcohols.

CIVIL

University of California, Berkeley

ADINI, Ari. Analysis of shell structures by the finite element method.

BEAR, Jacob. The transition zone between fresh and salt waters in coastal aquifers.

BROTCHIE, John Frederick. On elastic-plastic behavior in flat plate structures.

CLYDE, Calvin Geary. Fluctuations of total head near a smooth wall in a turbulent open channel flow.

SHEN, Hsieh Wen. A study on meandering and other bed patterns in straight alluvial channels.

California Institute of Technology

LONG, Dennis Vernon. Mechanics of consolidation with reference to experimentally sedimented clays.

Carnegie Institute of Technology

FLEMING, John Franklin. The effect of load characteristics and bridge geometry upon highway bridge impact.

HRIBAR, John Anthony. An evaluation of the general theory of thin elastic shells of revolution.

MEYER, Richard Albert. Transient temperature stresses in thermal lined pressure vessel nozzles.

SANDERS, Paul Herbert. Fracture arrest by riveted stiffeners.

University of Colorado

DOMINGUEZ, George Donaciano. Matrix analysis of structures.

Colorado State University

BINDER, Gilbert Jean. Electrokinetic-potential fluctuations produced by turbulence at a solid-liquid interface.

Columbia University

BERKOWITZ, Harvey Martin. Longitudinal impact of a semi-infinite elastic cylindrical shell.

DICKER, Daniel (with M. B. FRIEDMAN). Non-separable solutions of the transient heat conduction equation.

HENRY, Harold R. Salt intrusion into coastal aquifers.

HUDDLESTON, John Vincent. Transient and residual stresses in heat-treated cylinders.

SHAW, Richard Paul (with M. B. FRIEDMAN). Diffraction of a plane shockwave by an arbitrary rigid cylindrical obstacle.

SHINOZUKA, Masanobu. Structural safety under conditions of ultimate load failure and fatigue.

SPILLERS, William Russell (and A. M. FREUDENTHAL). Some quasi-static boundary value problems of consolidating elastic and viscoelastic media.

Georgia Institute of Technology

LNENICKA, William Joseph. A study of the effect of variations in anchor spacing, leg spacing, and guy attachment spacing on the structural economy of tall guyed towers, with a critical discussion of tower design principles.

University of Illinois

ARYA, Anand Swarup. Lateral distribution of concentrated loads on multibeam highway bridges.

BLACK, Richard Dean. The mechanics of square elbow losses.

CASILLAS GARCIA DE LEON, Juan. Comparative studies of design procedures for reinforced concrete slabs reinforced in two directions.

COHEN, Jacques. Combined local and overall buckling of rectangular thin-walled tubular columns.

CORLEY, William Gene. The equivalent frame analysis for reinforced concrete slabs.

DAVISSON, Melvin Thomas. Behavior of flexible vertical piles subjected to moment, shear, and axial load.

DE PAIVA, Henry Albert Rawdon. Strength and behavior in shear of deep reinforced concrete beams under static and dynamic loading.

EPPINK, Richard Theodore. Response of arches under dynamic loads.

FRIEDERICY, Johan Anton. The analysis of high temperature creep in shallow domes.

HOADLEY, Peter George. An analytical study of the behavior of prestressed steel beams.

HORN, Harry Moore. An investigation of the frictional characteristics of minerals.

HUANG, Tseng. Dynamic response of three-span continuous highway bridges.

HUTCHINSON, John Wendle. The significance and nature of vehicle encroachment on medians of divided highways.

KANE, Harrison. Earth pressures on braced excavations in soft clay, Oslo subway.

KENNEDY, David James Laurie. A study of failures of liners for oil wells associated with the compaction of oil producing strata.

MACGREGOR, James Grierson. Strength and behavior of prestressed concrete beams with web reinforcement.

MARTIN, Gordon Elbert. Quantitative investigation of the destructive energy in tornadoes.

MELIN, John William. The analysis of the dynamic response of an aboveground simply-supported cylindrical shell subjected to blast loading.

ORAN, Cenap. Analysis of the static and dynamic response of simple-span multi-girder highway bridges.

PFRANG, Edward Oscar. An analytical study of the behavior of long restrained reinforced concrete columns subjected to eccentric loads.

ROGERS, Bruce George. Plastic analysis and design of non-prismatic members.

SANDERS, JR., Wallace Wolfred. The lateral and longitudinal distribution of loading in steel railway bridges.

UNTRAUER, Raymond Ernest. Strength and behavior in flexure of deep reinforced concrete beams under static and dynamic loading.

WAGNER, John Edward. Construction and performance of the grouted cutoff rocky reach hydroelectric power project.

WIGGINS, JR., John Henry. The effect of soft surficial layering on earthquake intensity.

YAO, James Tsu-ping. The effect of plastic strains on the low-cycle fatigue behavior of steel.

Iowa State University of Science and Technology

HILT, George Harrison. Isolation and investigation of a lime-montmorillonite reaction products.

LINGER, Don Albert. Forced vibration of continuous highway bridges.

MATEOS, Manuel. Physical and mineralogical factors in stabilization of Iowa soils with lime and fly ash.

MICKLE, Jack LeRoy. Accumulation of moisture in soil under an impervious surface.

PHAN, The Ngoc. Influence of some Iowa aggregates on the durability of asphaltic concrete mixes.

The Johns Hopkins University

KONDNER, Robert Louis. The static and dynamic phenomenological macrorheology of cohesive soils.

Lehigh University

AGNEW, Stanley Adam. Some observations on the effect of specimen geometry on brittle fracture in steel.

LEE, George Chao-Chi. Inelastic lateral instability of beams and their bracing requirements.

RUMPF, John L. The ultimate strength of bolted connections.

TALL, Lambert. The strength of welded built-up columns.

Massachusetts Institute of Technology

CASEMAN, Austin Bert. Influence of the assumed deflected shape in applying the energy method to determine the elastic buckling pressure of thin shallow spherical shells.

ELATA, Chaim. Dynamics of open channel flow with suspensions of neutrally buoyant particles.

LADD, Charles Cushing. Physico-chemical analysis of the shear strength of saturated clays.

LIN, Jia Ding. Non-linear standing waves in a rectangular tank due to forced oscillation.

MOH, Za Chieh. Improvement of soil-cement with chemical additives.

OLSEN, Harold William. Hydraulic flow through saturated clays.

SHAH, Jayant Mohanlal. Static and dynamic resistance of rectangular membranes.

University of Michigan

MOLOF, Alan Hartley. A study of oxidation-reduction potentials applied to sewage sludge digestion.

THOMAIDES, Spiro Socrates. Effect of inelastic action on the behavior of structures during earthquakes.

University of Minnesota

ANANDAKRISHNAN, M. A study of some of the variables of consolidation theory as applied to vertical sand drain design.

New York University

MESARA, H. Reha. Plastic analysis for two-dimensional problems.

ZUCKERBERG, Harry. An investigation of the stress distribution in rectangular plates with longitudinal stiffeners under axial compression after buckling.

Northwestern University

GERSTNER, Robert W. Special methods in the treatment of some plane elasticity problems.

KERSTEN, Robert Donavon. The effect of jet mixing on sedimentation removal efficiency.

WAHLS, Harvey Edward. Primary and secondary effects in the consolidation of cohesive soils.

WIESINGER, Frederick P. A moment distribution method for analyzing rigid frames with joint translation.

The Ohio State University

DIRECTO, Leon Selloria. Some effects of the copper ion on the activated sludge stabilization process.

Princeton University

SAADA, Adel Selim. A rheological investigation into the shear behavior of saturated clay soils.

Purdue University

ALTSCHAEFFL, Adolph George. Compressibility of artificially sedimented clays.

HAMPTON, Delon. Statistical analysis of soil variability.

INGRAM, Gerald Eugene. A study of structural proportioning utilizing the concept of a limiting probability of failure of the total structure.

LAUER, Kenneth Robert. Mechanisms of air entrainment in mortars.

POHLAND, Frederick George. Investigations on the termological aspects and volatile acids-alkalinity behavior during anaerobic sludge digestion.

POPOVICS, Sandor. A method of evaluating gradings of concrete aggregates.

RADHAKRISHNA, Gaddam Narayanaswamy. A study of the removal of nitrogen oxides from air polluting exhausts.

SCHAUB, James Hamilton. Strength and volume change characteristics of a bituminous mixture under triaxial testing.

SCHENLER, William Walter. Evaluation of major urban intersections.

SCHUSTER, Robert Lee. A study of chert and shale gravel in concrete.

WALKER, Richard David. Evaluation of a flexible test pavement.

Stanford University

DANTIN, Elvin Joseph. A study of shear in reinforced concrete beams subjected to a true uniform load and axial tension.

WASLEY, Richard Junior. Hydrodynamics of flow into curb-opening inlets.

The University of Texas

CHANG, Wen Fa. Long restrained reinforced concrete columns.

DRYNAN, Walter Ronald. Radioactivity in surface waters—a statistical approach to establishing base levels.

Agricultural and Mechanical College of Texas

HIRSCH, Teddy James. The effects of the elastic moduli of the cement paste matrix and aggregate on the modulus of elasticity of concrete.

University of Toronto

KENNEDY, John Baptist Percival. Theoretical analysis of continuous uniformly loaded skewed slab bridges with curb beams.

YALCIN, Ali Sahabettin. The rheology of clays and thixotropic phenomena.

Washington University

METZ, Gene Alan. Verification of the yield-line theory by small scale tests.

University of Washington

FINN, William Daniel. Stresses in soil masses under various boundary conditions.

The University of Wisconsin

BAUER, Kurt Walter. A study and evaluation of local highway planning in Wisconsin.

HUNT, William Alfred. Relationship of velocity and pressure distribution to energy loss in circular ducts.

KEYSER, Robert Henderson. The application of pedology to highway engineering in Wisconsin.

MALINA, JR., Joseph Francis. The effect of temperature on the anaerobic digestion of activated sludge.

MURPHY, Keith Lawson. Tracer studies on circular basins.

SALMON, Charles Gerald. Triangular bracket plates without diagonal edge stiffeners.

Yale University

AZZI, Victor David. Uniform and non-uniform torsion of bars subject to creep.

CHRISTENSEN, Richard Monson. Plate vibration by equivalent gridwork methods.

WELLS, Clifford Henry. The development of anisotropy in the yield criterion for 3S-O aluminum alloy.

PERKINS, Aladdin Norris. Synthesis of wide-band amplifiers by sub-band techniques.

Polytechnic Institute of Brooklyn

ARAMS, Frank Robert. Microwave cross-relaxation masers.

ARBEL, Elli. Radiation from a point source in an anisotropic medium.

DORATO, Peter. Short-time stability in linear time-varying systems.

GARG, Jag Mohan Lal. Network theory of semiconductor hall plate circuits.

HIGHLEYMAN, II, Wilbur Hull. Linear decision functions with application to pattern recognition.

KOPP, Richard Edgar. On "bang-bang" adaptive control systems.

SHOOMAN, Martin Lawrence. Stability analysis of two-parameter control systems.

SIPRESS, Jack Myron. Synthesis of active rc networks.

University of California, Berkeley

ATHANASSIADES, Michael. Bang-bang control of real pole systems.

CHEO, Bernard Ru-Shao. A solution to the equi-angular spiral antenna problem.

EYKHOFF, Pieter. Optimizing control and process-parameter estimation.

HARTMAN, Charles William. Production and interactions of electron beams in crossed fields.

IWAMA, Morimi. Study of short-time correlation and its application to system parameter evaluation.

KUSNEZOV, Nikita. Microwave propagation in aromatic compounds.

LENDARIS, George Gregory. On the identification and adaptive control of sampled-data systems.

LINDER, Isham Wiseman. Correlation processes in antenna arrays.

PALMER, James Leighton. Effects of transverse velocities in magnetically focused cylindrical electron beams.

VAN DUZER, Theodore. Noise in crossed-field electron beams.

WANLASS, Leslie Kent. A spin echo memory for a carrier type digital computer.

WATTENBURG, Willard Harvey. Generalizing compiling techniques.

University of California, Los Angeles

BATTOCLETTI, Joseph Henry. Resonances in the positive column of a low pressure arc discharge.

California Institute of Technology

ARON, Richard Michael. Bandwidth limitations and synthesis procedures for negative resistance and variable reactance amplifiers.

EVTUHOV, Viktor. Theory of the valence band energy level structure of Ge and Si in an external magnetic field.

PINSON, Elliot Neil. An adaptive control technique for systems with lightly damped resonances.

Carnegie Institute of Technology

CRAIG, Samuel Edmund. Pulse discharges preceding sparkover at low voltage gradients.

FEUCHT, Donald Lee. The superconducting transition radio-frequency mixer and the problem of superconductor switching time.

JONES, Clarence Irwin. Lumped electrical delay lines utilizing frequency dependent and negative parameters.

KLINGLER, Eugene Herman. The adhesion of dust as related to electrostatic precipitation.

KONNERTH, JR., Karl Louis. A systematic experimental study of electrode phenomena accompanying transient low-voltage arcs in liquid dielectrics.

MELNGAILIS, Ivars. Filamentary impact ionization in germanium cryosistor field-effect devices.

SCHNEIDER, Howard Lee. Subharmonic response of a forward driven PN junction.

SMITH, JR., Paul Letton. The charging of non-spherical particles in a corona discharge.

STAPELFELDT, Roeliff. The short pulse behavior of lossy tapered transmission lines.

VOSHALL, Roy Edward. Photoionization of a gas by radiation emitted from discharges.

Case Institute of Technology

EGGIMANN, Wilhelm Hans. Higher order evaluation of the diffraction of electromagnetic fields by circular disks.

HSU, Hwei-Piao. Analysis of the interaction between a measuring probe and a reflector.

MEISEL, Jerome. Analysis of the magnitude and phase relationships in multi-winding current transformers.

MIRO-NICOLAU, Jose. Theory and analysis of general switching nets.

NADKARNI, Dinanath Digambar. Effect of D.C. bias and magnetic reluctance on hysteresis and eddy losses in laminated steels.

University of Colorado

LINDSAY, JR., James Edward. Induced current distribution on a conducting circular disc placed beneath a vertical antenna.

Columbia University

FREIMAN, Charles Visvald. Protective block codes for asymmetric binary channels.

HARRIS, Bernard. Some bounds on the power spectra of frequency-modulated sinusoidal carriers.

ELECTRICAL

University of Arizona

LATORRE, Victor Robert. The effect of turbulent motion on tropospheric scatter propagation of radio waves.

JOHANNES, Virgil I. Transient response of transistor video amplifiers.

TUNG, Frank Fu-Chin. The use of a class of non-linear systems in the problem of optimum filtering.

Cornell University

HO, Kwai-Wah. Model-reference self-adaptive control systems.

HOLLISTER, Herbert. Some effects of ion bombardment on the emitting properties of oxide-coated cathodes.

HSU, Jay Chien-Hwai. Statistical analysis of a class of adaptive control systems.

KALLURI, Ramalingasarma. Link amplifier as a coded-pulse generator and matched filter.

KLECKNER, Keith Roger. A theory of noisy two-port networks.

MACKENZIE, Lee Aubry. A study of noise in self-excited oscillators.

McALLISTER, Addams Stratton. Transient analysis of nonlinear feedback control systems employing a linearizing approximation for the nonlinear elements.

The University of Florida

EISENBERG, Marvin Frank. A post acceleration klystron linear particle accelerator.

HARDEN, Richard Clayton. An approximation problem for obtaining simultaneously a constant time delay in the passband and a prescribed attenuation in the stopband.

SALZ, Jack. Communication through time-variable random channels.

SILBER, David. A simplified method of synthesizing ladder networks with image-parameter half sections.

SIMPSON, Richard Stephen. A study of the use of probes to measure potential in electron devices.

Georgia Institute of Technology

HAMMOND, Joseph Langhorne. A theoretical investigation of a class of linear measurement systems subject to random noise.

HOOPER, John William. Ionization cross sections for protons incident on helium, neon, argon, hydrogen, nitrogen, oxygen, and carbon monoxide in the energy range 0.15-1.10 Mev.

MOAD, Mohamed Fares. Analysis of four terminal cascaded networks.

University of Illinois

CALAHAN, Donald Albert. Transfer function synthesis based on cascaded RC and RL networks.

ENDERBY, Charles Eldred. A Cerenkov radiator for the production of millimeter and submillimeter waves.

ENGELHARDT, Albert George. Dispersion of ion cyclotron waves in magnetoplasmas.

GOURISHANKAR, Vembu. Sinusoidal analysis of hysteresis effects in nonlinear feedback control systems.

HAKKI, Basil Wahid. Studies on millimeter wave generation.

HEDVIG, Thomas Ivan. The determination of optimum paths in the phase plane for dynamic systems using calculus of variations techniques.

HUBER, Edward Allen. A method of adaptive control of high order-systems.

LICHTENBERGER, William Wayne. The identification of linear systems by means of correlating filters.

MA, Hsiao Jiong. Analysis of the correlation function of a class of Markov processes.

MUERLE, John Ludwig. Variation with size of characteristics of electric circuit components having gain.

ROSE, Kenneth. A microwave technique for the study of deviations from Ohm's law in high resistivity semiconductors.

SPUHLER, Harold Aylesworth. Synthesis of electromagnetic field distributions for electron-bunching accelerators.

STAFFORD, Joseph Jerome. Resonant electromagnetic modes in gyroelectric plasmas.

SUN, Chang Hsi. Matrix solution of nonlinear sampled-data control systems.

YAU, Sik-Sang. A generalization of the cut-set for application to communication nets.

YOUNG, James Ralph. Synthesis of RC ladder networks with specified driving-point and transfer functions.

Illinois Institute of Technology

EUROLA, Ahti Tapio. On the measurement of the dynamic properties of the steam void fraction in boiling water channels.

PEACH, Lester Charles. Bayes' text applied to the statistical detection of radar signals.

State University of Iowa

LUDWIG, George Harry. The development of a corpuscular radiation experiment for an earth satellite. [Iowa. University. Dept. of Physics and Astronomy. Publication No. 60-12.]

Iowa State University of Science and Technology

ANDERSON, Paul Maurice. Effect of some matrix properties of electric networks upon computer solutions.

The Johns Hopkins University

COHN, Marvin. Propagation in partially loaded parallel plane and trough waveguides.

GLOVER, Clarence Cramer. Optimum prediction with a mean weighted square error criterion.

SUSSMAN, Steven Michael. Least-square synthesis of radar ambiguity functions.

University of Kansas

KRAUSE, JR., Paul Carl. Simulation techniques for unbalanced electrical machinery.

University of Maryland

PENDLETON, Thomas Arens. Narrow pass-band filters employing the techniques of frequency modulation.

WOLFF, Edward A. Linear antenna array synthesis.

Massachusetts Institute of Technology

BLISS, James Charles. Communication via the kinesthetic and tactile senses.

DAVIS, Michael Chase. Optimum systems in multi-dimensional random processes.

DENNIS, Jane Hodgson. Anisotropy of thermoelectric power in bismuth telluride.

FRANKENTHAL, Shimshon. Studies of plasmas in unidirectional magnetic fields.

GALLAGHER, Robert Gray. Low density parity check codes.

GEISLER, Chris Daniel. Average responses to clicks in man recorded by scalp electrodes.

HALL, Richard Byron. Large signal behavior of plasmas.

HAUSE, Arthur Dickson. Nonlinear least-squares filtering and frequency modulation.

HENNIE, III, Frederick Clair. Iterative arrays of logical circuits.

HORSTEIN, Michael. Sequential transmission of digital information with feedback.

JORDAN, JR., Kenneth Louis. Discrete representations of random signals.

KAILATH, Thomas. Communication via randomly varying channels.

KIPINIAK, Walerian. Variational approach to dynamic optimization and control system synthesis.

NELSON, Robert Eric. Preparation and electronic transport properties of mercury telluride.

PENHUNE, John Paul. Energy conversion in laminar magnetohydrodynamic channel flow.

PESKOFF, Arthur. Waves in a relativistic plasma.

RAFUSE, Robert Pendleton. Parametric applications of semiconductor capacitor diodes.

REIFFEN, Barney. Sequential encoding and decoding for the discrete memoryless channel.

ROBINSON, Charles Canfield. Longitudinal Kerr magneto-optic effect in ferromagnetic thin films.

ROSENFELD, Jack Lee. Adaptive decision processes.

SAKRISON, David John. Application of stochastic approximation methods to system optimization.

SARLES, JR., Frederick Williams. Magneto-optic apparatus for the dynamic study of ferromagnetic surface domains.

SCHETZEN, Martin. Some problems in nonlinear theory.

VAN TREES, JR., Harry Leslie. Synthesis of optimum nonlinear control systems.

ZAMES, George. Nonlinear operators for system analysis.

University of Michigan

CATH, Pieter Geert. The synthesis of non-uniform transmission lines.

DENTON, Richard Todd. Longitudinal pumping on ferromagnetic materials with application to a new type of microwave parametric amplifier.

GANDHI, Om Parkash. Nonlinear electron-wave interaction in crossed electric and magnetic fields.

HARGER, Robert Owens. The optimization of some noisy nonlinear systems.

HELLWARTH, George Arlen. Speech signal analysis utilizing continuously tuned, automatic tracking filters.

LIM, Yen San. A study of forced oscillation systems with nonlinear restoring and nonlinear damping forces.

MILLER, David Burke. Acceleration of plasmas by inductively generated electromagnetic fields.

NUNN, JR., Walter Melrose. A small-signal analysis of E-type traveling-wave devices.

PLONUS, Martin Algirdas. A study of the biconical antenna.

PORTER, William Alonzo. A generalized statistically optimum velocity inertial system.

RISTENBATT, Marlin Philip. Investigation of narrowband waveforms generated by clocked pulses.

ROZENBERG, Donald Pryce. An investigation of the algebraic properties of the residue number system.

Michigan State University

BROWN, David Paul. On sign patterns of branch matrices and R graph realization.

GILCHRIST, Ralph Wayne. A digital computer solution of synchronous machine differential equations in some power system stability problems.

HEDGES, Harry George. Development of a method of solution utilizing voltage phase angles as controlling variables for the power system economic dispatch problem.

KEENEY, Martin G. Recursive functions and finite automata.

LANG, Joseph John. Delay equalizer-numerical analysis, digital computer techniques.

WAYNE, Burton Howard. On the numerical analysis of magnetic amplifier circuits.

University of Minnesota

HALVERSON, Richard Peyton. A calculation of static magnetization reversal in a truncated ferromagnetic cylinder with axially applied field.

The University of New Mexico

ANDERSON, Wallace Lee. The fields of electric dipoles in sea water—the water-air-ionosphere problem.

JONES, Richard Daniel. Acceleration of a symmetric plasmoid in an axial magnetic bias field.

New York University

FLEISCHER, Paul E. Synthesis of linear control systems with low sensitivity to plant variations.

KURZ, Ludwik. An optimization procedure for a single link unidirectional digital communication system in the presence of additive gaussian and impulsive noise and for detection independent of fading.

North Carolina State College

THURSTONE, Fredrick Louis. Fetal electrocardiography and heart rate determination.

Northwestern University

COOKE, James L. Analysis of power system's power density spectra.

EGAN, John Frederick. Design and optimum synthesis of linear systems containing modulators with periodic carriers.

GARVER, Leonard Lee. Economic scheduling of electric power generators by integer programming.

LI, Ching-chung. Integral pulse frequency modulated control systems.

MOORE, Robert A. Parasitic arrays of small diameter helical dipoles.

SAHARA, Kanji. Weighted error performance criterion for nonstationary random processes.

The Ohio State University

CHU, Ta-Shing. Surface wave diffraction and its relationship to surface wave antennas.

LEVADI, Victor Schoenberg. On the analysis of adaptive systems.

MIDDENDORF, William Henry. The development of electro-mechanical transducers using electric field phenomena.

NASH, Robert Thornton. A multireflector meridian-transit radio-telescope antenna for the observation of waves of extraterrestrial origin.

TSU, Raphael. The theory and application of the scattering matrix for electromagnetic waves.

Oklahoma State University

ELIAS, Samy E. G. A digital computer solution to the transit operation assignment problem.

LINGELBACH, Daniel Dee. Transient analysis of a singly excited electromechanical transducer.

University of Pennsylvania

BARTFELD, Robert Abraham. Thermal design of transistor circuits.

FISCHBECK, Kenneth Henry. On the theory of AC induction plasma motors and generators.

JACOBS, Ernest. Maximum power transfer between large aperture antennas in the fresnel region.

KRITIKOS, Haralambos N. The penumbra region of aperture antennas.

MATSON, JR., Leslie Emmet. Basic theory of surveillance system decision processors.

PURI, Narindra Nath. Parameter tracking and adoptive control systems.

SHUCKER, Sidney. Application of integral equations to approximate solutions of electrical engineering problems.

YA'COUB, Kamal Yousef. Contributions to the theory of estimation by order statistics.

ZELBY, Leon Wolf. Generalized theory of transmission of electromagnetic waves along a dielectric coated conducting cylinder.

The Pennsylvania State University

LAWTHER, James McLuckie. A theory of time scale coding and some illustrative examples.

University of Pittsburgh

SAUCEDO, Robert. Analysis of some digital computer programs by use of sampled-data theory.

Princeton University

HELMS, Howard David. Generalizations of the sampling theorem and error calculations.

STABLER, Edward Palmer. Methods of magnetic logic.

UMAN, Martin Allan. A theoretical study of the behavior of low energy electrons in binary gas mixtures.

Purdue University

BOLLE, Donald Martin. The eigenvalues for certain cylindrical structures.

CHANG, Joseph Juifu. A study of the fermi level in degenerate semiconductors.

CHING, Garland Edward. Applications of topology to network analysis.

DONOVAN, Richard Francis. Van de Graaff to Purdue synchrotron electron optics.

EVANS, Charles Marcus. Electromagnetic radiation from moving systems of charges and currents.

EVELEIGH, Virgil William. A comparison of two approaches to extrema searching adaptive systems.

FLYNN, Michael John. Operations in an associative memory.

KENYON, Richard Reid. Numerical methods of approximation with application to electrical network design.

LINDENLAUB, John Charles. Limits on the identification time for linear systems.

MEDITCH, James Stephen. A class of predictive adaptive controls.

OSBORN, Lawrence Lyle. Reversible and slow speed irreversible magnetization processes in 50% nickel iron alloys.

REKASIUS, Zenonas V. Stability of nonlinear control systems.

ROGERS, Charles Chandler. The scattering of a plane electromagnetic wave by a finite cone.

Rensselaer Polytechnic Institute

RAJAGOPAL, Venkatesan. Experimental study of nuclear reactor internal noise and transfer function using random reactivity variations and correlation analysis.

Stanford University

BARTHLE, Robert Charles. The detection of radar echoes from the sun.

BRAVERMAN, David John. Machine learning and automatic pattern recognition.

CHOW, Kungta Kenneth. The cyclotron-resonance oscillator.

CRANE, Hewitt David. Neuristor studies.

DAVIDOW, William Henry. The state assignment problem for synchronous sequential networks.

GUNCKEL, II, Thomas L. Optimum design of sampled-data systems with random parameters.

HENRY, Eugene Walter. Logical scheduling of a multiplexed digital controller.

HO, Irving Tze. Passive phase-distortionless parametric limiters.

HUNT, John MacKenzie. Application to the magnetoresistance effect to analog multiplication.

LATHI, Bhagawandas Pannalal. Optimal design of multi-stage tuned-transistor amplifiers considering gain, stability and sensitivity.

LOGAN, Joseph Skinner. Theoretical limitations of gain and bandwidth in wide-band transistor and esaki diode amplifiers.

MANHART, Robert Audley. High-level injection effects in transistors.

MONSON, James Edward. Parametric pumping of space-charge waves.

NOVICK, Gabriel. Hollow-beam electrostatically focused high-power traveling-wave tube.

PATEL, Chandrakumar Naranbhai. Investigations of magnetically tunable narrow bandpass nonreciprocal filters using ferromagnetic resonators.

PERKINS, William Randolph. The sensitivity of feedback control systems to parameter variations.

RILEY, Russell Briney. An analysis of a nonlinear transmission line.

SEEDS, Robert Boehm. Triggering of avalanche transistor pulse circuits.

SHAW, Leonard Glazer. Dual mode filtering.

SHORT, Robert Allen. A theory of relations between sequential and combinational realizations of switching functions.

SMITH, Robert LeRoy. The use of nose whistlers in the study of the outer ionosphere.

SODACK, Avrom Chaim. Jacobian elliptic and other functions as approximate solutions to a class of grossly nonlinear differential equations.

SPALTER, Jacques. Some methods of fast-wave amplification in parametric electron-beam devices.

TERMAN, Lewis Madison. An investigation of surface states at a silicon/silicon-oxide interface employing M-O-S diodes.

TURNER, Wilson Reese. Experimental inquiry into the production of low-noise microwave electron beams.

VASSILIADIS, Arthur. A study of corona discharge noise in aircraft antennas.

WANG, Chu Ping. Superregeneration in a cavity-type parametric amplifier.

Syracuse University

GABELMAN, Irving J. The functional behavior of majority (threshold) elements.

HARBOUR, Cyrus Oscar. The behavior of circuits containing negative-resistance devices.

KLETSKY, Earl Justin. Fundamental limitations on self-repairing systems.

MAJMUDAR, Harit. A basic analysis of commutatorless machine of Kron.

MAYO, Bruce Roland. Critical analysis of space frequency equivalence in antenna design.

The University of Texas

HIKSON, Elmer LaVerne. The application of impedance methods to mechanical vibration problems.

LAW, Paul Foster. Radiation from a current filament above a homogeneous earth, with application to micropulsations.

LUEG, Russell Eddy. Studies of plasma by resonant electrical cavities.

PADUNGCHWIT, Ittipon. Analysis of magnetotelluric signals by power density spectra methods.

University of Toronto

DICK, George Wilmer. Symmetrical frequency multipliers.

University of Utah

BONA, Blair Earl. Failure statistics of electronic networks.

ELSEY, Philip James. An automatic recorder for the Utah x-ray structure computer.

LOOMBA, Rajinder Pal. Analysis of nonlinear systems by root-locus method.

SIMMONDS, Charles Warren. Synthesis of nonlinear networks by averaging methods.

TIMOTHY, LaMar K. Nonlinear control system stability via the second method of Lyapunov.

Washington University

HAMMANN, John William. Analysis of a non-linear circuit.

LECHTRECK, Lawrence Walter. Gaussian antenna patterns.

NIEMOELLER, Arthur Frederick. Reciprocity calibration of electroacoustic transducers in the time domain.

University of Washington

HASSERDJIAN, Gerard. The magnetic field induced on a circular cylinder by a slot.

KIEBURTZ, Richard Bruce. Electromagnetic diffraction by a periodically apertured conducting screen.

McNELIS, David Donald. The effect of the antenna pattern on the statistics of the received signal in radio-frequency propagation systems.

The University of Wisconsin

COKER, Cecil H. Applications of feedback controlled core computing circuits to analog-digital conversion.

CRISTAL, Edward Gary. Fields in cavity-excited accelerators.

GRANBORG, Bertil. The use of magnetostriction to achieve fast adjustment of roll separation in multi-stand rolling mills.

McNALL, John Fairman. Automatic address modification in a three address digital computer.

MERTZ, Robert Leroy. A study of applied tension as a control parameter in the rolling of metal strip.

MINCK, Robert William. A new equivalent circuit for microwave filter design.

MURRISH, Charles Harold. Optimization in a mean-square-error sense of a two-dimensional sampled-data system.

RAJARAMAN, Vaidyeswaran. Theory of parameter-perturbation adaptive and optimizing control systems.

REKOFF, JR., Michael George. A-C servomotor performance as influenced by phase splitting and other external impedances.

SMITH, David Richard. Behavior of artificial neural networks.

Yale University

BROWNELL, Richard Miller. The process of magnetization in tape-wound toroidal cores.

KENDALL, III, William Bowdoin. The detection of forces applied to space objects.

McDONALD, Richard Arthur. Information rates of continuous parameter random processes.

NOLAND, JR., James Hubert. Investigation of adaptive control systems.

NORTHROP, Gaylord Marvin. On the output probability density function of a linear device with certain non-gaussian random inputs.

SPANG, Thomas Cox. Synthesis of all-pass networks.

HYDRAULIC

University of Minnesota

CHIEN, Sze-Foo. An experimental investigation of the liquid film structure and pressure drop of vertical, downward, annular, two-phase flow.

SONG, Chieh-Shyang. Similar and quasi-similar solutions of the boundary layer equations for two-dimensional incompressible flows.

Utah State University

MIRAJGAOKER, Ambadas Godalrao. The effect of large single roughness elements in open channel flow.

MARINE

University of California, Berkeley

CUTHBERT, Jerry Wilson. An approximation to Michell's integral in terms of hull form parameters.

MORGAN, William Bruce. A theory of the ducted propeller with a finite number of blades.

Massachusetts Institute of Technology

KERWIN, Justin Elliot. Solution of propeller lifting surface problems by vortex lattice methods.

SMYTH, JR., Norbert Edward. Method of predicting adequacy of piping systems subjected to shock loading.

The University of Notre Dame

MALVICK, Allan James. On the characteristics of a ship intended for pursuit of an evasive target.

MECHANICAL

University of California, Berkeley

CHAHINE, Moustafa Toufic. Free molecule flow over non-convex surfaces.

DEPEW, Creighton Arthur. Heat transfer to flowing gas-solids mixtures in a vertical circular duct.

KOBAYASHI, Shiro. Mechanics of metal cutting and shear spinning.

LADERMAN, Arnold Joseph. Experimental study of the development of detonation.

California Institute of Technology

BOEDTKER, Olaf Alexander. Delay time in the alpha to gamma transformation of iron.

DIENES, John Kalman. Some applications of the theory of continuous markoff processes to random oscillation problems.

DIPPREY, Duane Floyd. An experimental investigation of heat and momentum transfer in smooth and rough tubes at various Prandtl numbers.

IWAN, Wilfred Dean. The dynamic response of bilinear hysteretic systems.

JONES, Orval Elmer. Theoretical and experimental studies on the propagation of longitudinal elastic strain pulses in wide rectangular bars.

MARIN, Jean-François. Transitions in chromium.

MERCHANT, Howard Carl. Mode superposition methods applied to linear mechanical systems under earthquake type excitation.

Carnegie Institute of Technology

DIXON, John Robert. Viscous lubrication in wire drawing.

LOSS, Frank Jacob. Elastic behavior in cold strip rolling at the onset of plasticity.

STEPHENSON, Robert Rhoads. Elastohydrodynamic lubrication of gear teeth.

Columbia University

BLAIR, David William. Total radiation from burning composite solid propellants.

DICKER, Stanley. Representation of surface conductance with two dimensional continuous analogs.

LICHT, Lazar. An analytical and experimental study of the stability of externally-pressurized, gas-lubricated thrust bearings.

University of Illinois

IHRIG, JR., Harry Karl. A study of the base pressure problem for supersonic two-dimensional flow in which the approaching stream has transient properties.

LAMB, JR., Jamie Parker. A study of flow separation in overexpanded, conical, convergent-divergent nozzles (with special consideration of the effect of wall divergence on mass entrainment).

MATTHEWS, Edward Kay. An optical method for thermal boundary layer measurements in a moderately rarefied gas.

MUELLER, Thomas James. On separation, reattachment and redevelopment of turbulent boundary layers.

SCHRADER, George Frederick. A critical analysis of the reliability and relative superiority of the various methods recommended for use in determining the number of cycles to record during a time study.

Illinois Institute of Technology

KRUPKA, Raymond M. The performance of a crossed-field magneto-aerodynamic accelerator.

Lehigh University

SIH, George Chang-Ming. Non-linear heat conduction.

University of Maryland

SAYRE, JR., Clifford LeRoy. The pressure recovery characteristics of cowl type scoops.

SZEWCZYK, Albin Anthony. Stability and transition of the free-convection layer along a vertical flat plate.

Massachusetts Institute of Technology

ASTILL, Kenneth Norman. Modes of adiabatic flow in the entrance region of an annulus with an inner rotating cylinder.

CHEN, Michael Ming. Heat transfer in heat exchangers under frosting conditions.

CHEN, Tze-Ning. Theoretical and experimental study of interactions between two burning fuel cylinders.

FREEDMAN, Steven Irwin. Simultaneous heat and mass transfer in the compressible laminar boundary layer of a dissociated gas.

JANSEN, Willem. Quasi-unsteady flow in a radial vaneless diffuser.

KARNOPP, Dean Charles. Search theory applied to parameter scan optimization problems.

KRUGER, Robert Alan. Film boiling in forced convection on the inside of tubes.

KURTZ, JR., Edward Fulton. Study of the stability of laminar parallel flows.

MOFFATT, William Craig. Boundary layer effects in magnetohydrodynamic flows.

MORGAN, Henry Merriam. Interaction of textile structures and high speed textile processes.

THOMPSON, Philip Andrew. Resonance tubes.

University of Michigan

EHRlich, Ira Robert. Wheel sinkage in soil.

HOLKEBOER, David Henry. The effect of compression ratio on the ability to burn lean fuel-air mixtures in a spark-ignition engine.

SCHOENHALS, Robert James. The response of liminar incompressible fluid flow and heat transfer to transverse wall vibration.

SOMMERS, William Paul. The interaction of a detonation wave with an inert boundary.

SONNTAG, Richard Edwin. The equilibrium of solid carbon dioxide with its vapor in the presence of nitrogen.

WESTERVELT, Franklin Herbert. A study of automatic system simulation programming and the analysis of the behavior of physical systems using an internally stored program computer.

YOUNGDAHL, Paul Frederick. Fluid flow at a scraped heat transfer surface.

Michigan State University

LEE, Bung Chung. Experimental and analytical study of influence of entry angle in vortex flow temperature separation.

University of Minnesota

NYPAN, Lester Jens. An evaluation of the kinematic and kinetic phenomena in the structure of lubricating films.

New York University

ADLER, Irwin Leroy. The fluidization of uniform smooth spheres in liquid media.

BECKER, Herbert David. An exploratory study of stress concentrations in thermal shock fields.

SENATOR, Martin. Elastic plastic solutions for cylindrical shells.

SMITHBERG, Eugene Herbert. An investigation into the heat transfer and friction characteristics of round tubes with twisted tape swirl promoters.

ZEIBERG, Seymour Lawrence. Fully developed transient laminar combined free and forced convection of a heat generating fluid.

Northwestern University

ANDERSON, Thomas Patrick. The effect of recombination rate on the flow of a dissociating diatomic gas.

BALCERZAK, Marion John. Selected problems in hydrostatic lubrication and steady state conductive heat transfer.

DuCLOS, Donald Paul. The equation of state of ionized gas.

MORSE, Theodore F. Electromagnetic acceleration of a shock heated plasma in a constant area duct.

ROLLINGER, Charles N. Effect of geometric shape and convective heat transfer on the performance of a thermoelement.

The Ohio State University

FOSTER, Truman Gray. An investigation of the variation of internal hysteretic damping in metals as a function of stress state and spatial stress distribution.

McLARNAN, Charles Walter. Kinematic synthesis of complex linkages.

Oklahoma State University

HAWORTH, Donald Robert. Development of a plasma facility and spectrographic determination of plasma temperatures.

University of Pennsylvania

CHENG, Herbert Su Yuen. The dynamics of the infinitely-long, self-acting, gas-lubricated journal bearing under a steady load.

VINSON, Jack Roger. New techniques of solution for problems in the theory of orthotropic plates.

The Pennsylvania State University

BEANS, Elroy William. Performance characteristics of a friction disc turbine.

University of Pittsburgh

CHARIGNON, Michael Jean. An application of curved beam theory to spur gear fillet stress.

KANE, John Joyce. Laminar heat transfer to a flat plate in hypersonic flow.

KAPLAN, Stanley. Extensions and applications of the method of finite integral transforms.

KRAUS, Harry. Flexure of a circular plate with a ring of holes.

RATHBUN, JR., Arthur Samuel. On the flow of an electrically conducting fluid towards a stagnation point in the presence of a magnetic field.

ROARTY, Joseph Daniel. Investigation of boiling with single and parallel channel flow.

SLEMBER, Richard Joseph. An investigation of pool boiling under variable fluid body force conditions.

THORPE, James Franklin. A parallel duct flow problem.

Princeton University

KADAMBI, Vedanth. Free convection heat transfer from horizontal surfaces for prescribed variations in surface temperature and mass flow through the surface.

Purdue University

COLLICOTT, Howard Earl. Radiation and free convection studies of wire and tube heat exchangers.

COTTINGHAM, William Brooks. Surface recombination and heat transfer in a dissociated gas.

DEVRIES, Thomas Winfield. Statistical procedures for estimating dynamic loads on highways.

GAY, Norman Russell. Thermochemical equilibrium in hydrocarbon-oxygen reactions involving polyatomic forms of carbon.

HERING, Robert Gustave. Combined free and forced convection from rotating bodies of revolution.

HOLT, Vernon Emerson. An experimental investigation of high-flux free convection heat transfer to water up to near critical conditions.

KAMIEN, Chaim Zelman. The effect of rain intensity on the power requirement for the prevention of icing on transmission cables.

LOWERY, Richard Loren. High speed compressor valve vibration and noise studies.

MORSE, JR., Ivan E. Kinematic theory for complex mechanisms.

PARKER, Jerald Dwain. Heat transfer to a mist flow.

RIGDON, William Stanton. Heat transfer to low Prandtl number fluids in axisymmetric flow.

VISKANTA, Raymond. Heat transfer in thermal radiation absorbing and scattering media.

Stanford University

FOX, Robert William. Flow regime data and design methods for curved subsonic diffusers.

LARSON, Milton Byrd. A study of the effects of ultrasonic vibrations on convective heat transfer in liquids.

The University of Texas

BRADEN, Patrick O'Connor. Measurement of velocity and temperature fields with heat transfer in a short vertical tube.

The University of Wisconsin

AHUJA, Baldev Krishan. Simulation of inventory control systems with stochastic replenishment time.

BOLLINGER, John Gustave. An investigation of nonlinear geared torsional systems using analog techniques.

GAGGIOLI, Richard Arnold. Thermodynamics and the non-equilibrium system.

HARMAN, Charles Morgan. Flow in air-conditioning mixing chambers.

OVERBYE, Vern Donald. Variation of instantaneous wall temperature, heat transfer, and heat transfer coefficients in a spark-ignition engine.

ROSS, Peter Anthony. Application of a two-wavelength interferometer to the study of a simulated drop of fuel.

TSAO, Keh Cheng. The effect of operating variables on compression temperature in a compression ignition engine.

Yale University

TSAI, Stephen Wei-lun. A thermodynamic analysis of deformable media.

MECHANICS

Polytechnic Institute of Brooklyn

LARDNER, Thomas Joseph. Biot's variational principle in heat conduction.

REYLE, Stanley Paul. Laminar boundary layer characteristics in a compressible flow over a porous surface with suction.

TAI, Clement L. Hydration temperature in concrete.

WANG, Kenneth Kwang-Hwa. Approximate solutions for reentry trajectories with aerodynamic forces.

University of California, Berkeley

BHARUCHA, Behram Homi. On the stability of randomly varying systems.

PORTER, William Robert. Pressure distributions, added-mass, and damping coefficients for cylinders oscillating in a free surface.

Columbia University

HUANG, Yen-Ti. Stress functions for generalized plane stress in orthotropic plates.

LUBOWE, Anthony Garner. Extensional vibrations of thin quartz disks.

MCCORMICK, JR., John Michael. Vibrations of plates of nonhomogeneous viscoelastic material.

MCCOY, John Jude. Extension waves along the edge of an elastic plate.

SILBINGER, Alexander. Extensional axisymmetric second class vibrations of prolate spheroidal shell.

TOLINS, Irwin S. (w. Bruno A. BOLEY.) Transient coupled thermoelastic boundary value problems in the half-space.

Cornell University

HALBLEIB, William Frederick. The experimental determination of the stress concentration factors at the boundary of a central circular hole with both soft and rigid struts having various hole diameter to width ratios when subjected to longitudinal dynamic impact loads.

POPE, Daniel Loring. Some problems of relativistic mechanics.

University of Illinois

BALDWIN, JR., James Warren. The behavior in tension, torsion, and flexure of members made of brittle materials.

BROCK, George William. Strain aging effects in SAE 1018 steel and arc-cast molybdenum.

BROGHAMER, Edward Louis. The location of maximum stress in bars with fillets under combinations of bending and direct shear.

CRAIG, JR., Roy Rochester. Vibration of shells having initial stresses.

DHARMARAJAN, Sangiahnadar. Theoretical and experimental analyses of circular cross-section torsion-tension members made of materials that creep.

MCCREERY, Thomas Allan. A computer method for the approximate solution of two-dimensional elastostatic problems by conformal mapping.

MOYAR, Gerald James. A mechanics analysis of rolling element failures.

MURDOCK, John Washburn. The mechanism of fatigue failure in concrete.

MUVDI, Bichara Bichara. The behavior of beam-columns in the inelastic range.

TSENG, Ching-Wu. A moving mass on an infinite beam.

WILSON, Paul Eugene. The influence of transverse shear on the large deflection of elastic plates.

Illinois Institute of Technology

CHENG, Yean-Fu. Foundations for three-dimensional photoplasticity.

Iowa State University of Science and Technology

ARMSTRONG, James Hal. Stresses in rotating tapered discs with noncentral holds.

PAZ, Mario. Seismic effects on buildings using normal modes.

The Johns Hopkins University

HAND, George Louis. A theory of anisotropic fluids.

O'BRIEN, Vivian. An investigation of viscous vortex motion: the vortex-ring cascade.

SPERRAZZA, Joseph. Propagation of large amplitude waves in pure lead.

SUNG, Fu-Tien. A cauchy problem in the general theory of thin shells.

Lehigh University

OJALVO, Morris. Restrained columns.

University of Michigan

CLAUS, Alfons Jozef. Large-amplitude motion of a compressible fluid in the atmosphere.

HERZOG, Bertram. Vibrations of a circular plate about a post-buckled static state.

Michigan State University

DALRYMPLE, Jean M. Ultrasonic testing as a means of detecting fatigue in mortar.

LINDHOLM, Ulric Svants. An experimental determination of the stress-strain rate relations of several metals.

University of Minnesota

ANDERSON, Vincent Wester. Damping properties of materials subjected to various ratios of biaxial stress.

LUNDGREN, Thomas Soneral. The non-equilibrium debye potential in a plasma and its effect on the kinetic equation.

ROSENCRANTS, Edward William. An investigation of the limitations on the use of a mechanical analog for the measurement of loads and displacements in a sucker rod pumping system.

YEN, James Tsing-sen. Theoretical analysis of heat transfer for the magneto-hydrodynamic Rayleigh's problem.

The Pennsylvania State University

BINGHAM, William Louis. A contribution to photoelastic structural stability analysis.

HASSLACHER, III, George John. Internal friction of zinc single crystals.

LLORENS, Richard Edward. A slip-line theory of plasticity.

WENG, Tu-Lung. Theoretical and experimental investigations on strength of thick-walled pressure vessels.

Princeton University

FREESTON, JR., William Denney. Dynamic analysis of coplanar crimped elastic filaments.

Rensselaer Polytechnic Institute

LYMAN, Frederic A. Unsteady and hydro-magnetic effects on slow viscous flows in converging channels.

VELLOZZI, Joseph W. Transverse vibrations of a single-span suspension bridge under a moving constant force or a moving pulsating force.

Stanford University

CHRISTENSEN, Harvey DeVon. Analysis of simply supported elastic beam columns with large deflections.

FORSBERG, Kevin John. Concentrated load on a shallow elliptic paraboloid.

GÜREL, Ahmet Okan. Membrane analysis of cross vaults.

INGWERSON, Dale Roland. A modified Lyapunov method for nonlinear stability problems.

YU, Er-Yung. Development of a finite-difference method for computing a compressible laminar boundary layer flow with interaction.

The University of Texas

TAPLEY, Byron Dean. The propagation of plastic waves in finite cylinders of a strain-rate-dependent material.

Washington University

DREIFKE, Gerald Edmond. Effects of input pulse shape and width on accuracy of dynamic system analysis from experimental pulse data.

The University of Wisconsin

BODINE, Robert Young. Some elasticity problems for an anisotropic solid.

CUTLER, Verne Clifton. Bending analysis of directionally reinforced pipe.

METALLURGY

University of British Columbia

SSU, Yun I. Quenched in defects in silver and silver alloys.

University of California, Berkeley

HOENIG, Stuart Alfred. A study of oxygen recombination on metallic surfaces by means of an atomic beam.

KAZNOFF, Alexis I. Thermal properties of indium.

SHEPARD, Lawrence Ames. A study of low temperature creep mechanisms in aluminum single crystals.

Carnegie Institute of Technology

CIGAN, John Michael. Determination of the activity of zinc in intermetallic phases.

KAUFMAN, Sydney Morton. Thermodynamics of solid alloys at elevated temperatures.

REED, Richard Eugene. Stress corrosion cracking of austenitic stainless steel single crystals.

STONEBURNER, Donald Forrest. Thermo-electric power and electrical conductivity of molten binary thallium alloys.

Case Institute of Technology

GOULD, III, George Clifford. Grain refinement of copper.

MERCHANT, Harish Dwarkadas. Studies in the solidification of gray iron castings.

SCHALLER, Frank Walter. Hydrogen embrittlement in face centered cubic alloys of nickel.

Colorado School of Mines

DAY, Robert Blaine. The fatigue of single crystals and bicrystals of zinc.

FOREST, Robert Danson. The relation of anisotropic elasticity to subboundaries in molybdenum.

Columbia University

CUDDY, Lee J. Quenching -in and annealing of point defects in silver.

O'NEILL, Charles Edward. The role of nickel-carbon monoxide surface complexes in the formation of nickel carbonyl.

STOLOFF, Norman Stanley. Deformation and fracture of cadmium and cadmium-magnesium alloys.

University of Illinois

HEITMANN, William Edward. Relative rates of polygonization in a number of close-packed metals and alloys.

MULLENDORE, James Alan. Isothermal martensitic transformations in near equi-atomic Au-Cd alloys.

PARTHASARATHI, Manauasi Narasimhan. Study of the origin of recrystallization textures in aluminum.

SINHA, Patit Paban. Polygonization in bent zinc crystals.

Illinois Institute of Technology

IYER, Subramanya A. A study of annealing characteristics in copper after explosive deformation.

MOHANTY, Ganesh Prasad. Electron distributions in semiconductor single crystals.

VANDERMEER, Roy Allen. The recrystallization of zone-refined aluminum as influenced by recovery and impurities.

Iowa State University of Science and Technology

CLIFFORD, John Charles. A loop for circulating liquid lead-bismuth mixtures: corrosion studies and operation.

PARRY, Sidney John Stephenson. Reprocessing of uranium fuels by selective oxidation-reduction reactions in a fused salt-liquid metal system.

Lehigh University

BEACHUM, Edward Parker. An investigation into the causes of delayed cracking in steel weldments.

FRAME, John Warren. A study of the mechanism controlling the presence and relative thickness of alloy layers in iron-aluminum diffusion couples.

University of Maryland

PUZAK, Peter Paul. Effect of carbon content and tempering temperature on the fracture toughness of high-strength quenched and tempered steels.

Massachusetts Institute of Technology

AGAR, Gordon Edward. Adsorption of amine on silver iodide.

BROWN, Paul Edward. Mass transport in dendritic solidification.

DABNEY, John Baldwin. Desulfurization of vacuum melted high strength steel: relation to mechanical properties.

FERRISS, Donald Platt. Deformation of tantalum single crystals.

FOROULIS, Zisis Andrew. Metallurgical factors affecting the corrosion of iron and iron alloys in acids.

FUERSTENAU, Maurice Clark. Mechanism of thickening kaolin suspensions.

KEELER, Stuart Philip. Plastic instability and fracture in sheets stretched over rigid punches.

KRAUSS, JR., George. Nature of austenite produced by the reverse martensitic transformation.

LAWSON, Walter Rexford. Ductility characteristics of iron-carbon cast alloys at high temperatures and high strain rates.

MATSUDA, Seigo. Mechanism of anodic inorganic inhibitors on corrosion of iron.

MELOY, Thomas Phillips. Brittle fracture.

PEARSALL, George Wilbur. Friction and lubrication in plastic compression.

RAWLING, John Roughley. Kinetics of silica reduction in blast furnace slag-metal systems.

ROSE, Robert Michael. Yielding and plastic flow in single crystals of tungsten.

YIM, Woongsoon Michael. Effect of prior strain and polygonization on the creep rupture properties of nickel.

University of Michigan

KRAAI, Dwight Alan. Effects of some liquid metal environments on the fracture of copper.

ROWE, John Paul. Relations between microstructure and creep-rupture properties of nickel-base alloys as revealed by over-temperature exposures.

TROJAN, Paul Karl. Liquid-liquid equilibria and thermodynamic data for the Fe-C-Si-Mg system.

University of Minnesota

RAO, Kolli Krishna. Solid solubilities of carbon in transition elements and their alloys.

New York University

STONE, Louis Pyle. Grain growth in beta brass.

Northwestern University

HENDRICKSON, Alfred A. Solid solution strengthening of silver by aluminum.

KOPPENAAL, Theodore James. Solid solution strengthening in α Cu-Al alloys.

University of Notre Dame

McQUEEN, Hugh J. The sintering of zinc sulfide.

ROZNER, Alexander. Sintering of ferric oxide.

VARDIMAN, Ronald G. A study of the order-disorder transformation in Au Cu³.

The Ohio State University

CUNNINGHAM, George Woody. The mechanism of pressure bonding.

ORTON, George Wandell. Phase equilibria of the tungsten-carbon system.

University of Pennsylvania

DAMIANO, Victor Vito. Dislocations and substructure in zinc single crystals grown from the melt.

KOROSTOFF, Edward. A relaxation method for studying vacancies in metals.

LEE, Chung Hsia. The effect of torsional deformation on self-diffusion in silver.

Purdue University

JACKSON, Jared K. An internal friction study of very low carbon martensite.

THOMAS, JR., Alvin David. The structure of a Guinier-Preston zone.

Rensselaer Polytechnic Institute

GLICKSMAN, Martin E. Nucleation catalysis and growth in supercooled liquid tin.

LAM, Daniel J. The effect of rare-earth elements on the allotropic transformation of zirconium.

PROEBSTLE, Richard A. An investigation of the zirconium-yttrium system.

Stanford University

KLEIN, Mark Joseph. The structure and annealing behavior of deformed oxidized and unoxidized silver and dilute silver alloys.

University of Toronto

HARRINGTON, John Herbert. Liquid condensation of magnesium in the silico-thermic reaction.

REZEK, Joseph. The effect of substructure on the mechanical properties of zinc single crystals.

SREENIVAS, Ashtakala. Determination of the activities of magnesium in liquid magnesium-tin alloys by vapour pressure measurement.

The University of Wisconsin

LOPER, JR., Carl Richard. The solidification and graphitization of certain cast irons.

WERT, James Junior. The role of carbon in temper brittleness.

Yale University

ABOWITZ, Gerald. Compressibility and internal friction of certain binary liquid alloys.

BAUER, Charles Lloyd. Dislocation pinning in alkali halides.

BREEDIS, John Frank. A study of the martensitic transformation in single crystals of iron alloys.

TETELMAN, Alan Stephan. The mechanism of hydrogen embrittlement in iron alloy single crystals.

MINING

The Pennsylvania State University

FALKIE, Thomas Victor. An operations research approach to optimization of mine haulage systems.

SINGH, Madan Mohan. Mechanism of rock failure under impact of a chisel-shaped bit.

The University of Texas

SEBA, Richard Dutton. Oil and gas recovery and reservoir performance in relation to permeability variation.

NUCLEAR

University of California, Berkeley

ANDREWS, Warren McCormick. Measurement of the temperature dependence of neutron diffusion properties in beryllium using a pulsed neutron technique.

NEIL, Verl Kelvin. A study of some coherent electromagnetic effects in high current particle accelerators.

SEHGAL, Bal Raj. Neutron thermalization and diffusion in non-isothermal media.

Cornell University

RAVETS, Jace Martin. Use of nonuniform moderation to obtain flat flux and power for nuclear reactors and related topics.

Massachusetts Institute of Technology

BALCOMB, John Douglas. Crosscorrelation method for measuring the impulse response of reactor systems.

BENDANIEL, David Jacob. Theory of scattering loss from a magnetic mirror system.

KAZI, Abdul Halim. Precision measurement of the deuteron binding energy using a bent crystal spectrograph.

ROBKIN, Maurice Abraham. Eigenvalue matching: an equivalence principle for nuclear reactors.

SCHERMER, Robert Ira. Crystal monochromator for neutron spectrometry.

SMITH, JR., Harold Palmer. Dynamics and control of nuclear rocket engines.

YOSHIKAWA, Shoichi. Transport theory of plasma.

University of Michigan

ALBRECHT, Robert William. The measurement of dynamic nuclear reactor parameters by methods of stochastic processes.

ATKINS, Marvin Cleveland. The energy dependence of x-ray damage in an organic mercury compound.

CLENDINNING, William Roy. A study of the free radical yield produced in 1-bromobutane by irradiation with monochromatic x-rays of differing photon energies.

SERMENT-CABRERO, Vinicio. Polar effects in the radiation chemistry of p-substituted polystyrenes.

SHAPIRO, Jerome Lee. Reactivity effects of moderator expulsion in an enriched, light water reactor.

Rensselaer Polytechnic Institute

HOFMANN, Peter L. Nuclear and thermal design considerations for soluble-poison controlled nuclear reactors.

SANITARY AND MUNICIPAL

University of California, Berkeley

EL BAROUDI, Hassan Mohamed. The effect of eddy diffusion on the performance of sedimentation tanks.

HAYAKAWA, Ichiya. Studies on coagulation employing ammonium chloride aerosols.

KLOCK, John Weston. Bioassay kinetics of selected marine fauna.

- KRENKEL, Peter Ashton. Turbulent diffusion and the kinetics of oxygen absorption.
- QUON, Jimmie Earl. Combustion nuclei: some physical properties and their relationship to air pollution.

The University of Florida

- BEDROSIAN, Paul Harry. Relationship of certain macroscopic marine algae to Zn⁶⁵.
- CARTER, Melvin Whitehead. Biological uptake of radioactive nuclides by clams.

Iowa State University of Science and Technology

- CLEASBY, John LeRoy. Selection of optimum filtration rates for sand filters.

The Johns Hopkins University

- VISSMAN, JR., Warren. A study of the characteristics of the inlet hydrograph.
- WILLIS, M. Joseph. Joint operation of gravity reservoirs and pumped supply.

Massachusetts Institute of Technology

- SPEECE, Richard Eugene. Biological requirements and growth in anaerobic digestion.
- WASHINGTON, Donald Reed. Composition of volatile solids accumulating in activated sludge systems at equilibrium.

University of Michigan

- HIRSCH, Allan. Water pollution control in New Zealand: an aspect of environmental conservation.

New York University

- SLOTE, Lawrence. Atmospheric ionization and human performance.

Washington University

- SPROUL, Otis Jennings. Origin of organic chemical pollutants in water supplies.

The University of Wisconsin

- LAWLER, John Patrick. The kinetics of the removal of glucose by activated sludge.

FINE ARTS

Bryn Mawr College

- SHIH, Hsio-Yen. Early Chinese pictorial style from the Later Han to the Six Dynasties.

University of California, Berkeley

- MUNDT, Ernest Karl. Hans von Marées: his monumental work, 1873-1887.

University of Chicago

- FERN, Alan Maxwell. The wood-engravings of Lucien Pissarro with a catalogue raisonné.

Columbia University

- FIRM, Ruth M. The drawings and watercolors of Turner.
- HAERING, Ilene Eleanor. Cult statues of the Madonna in the early Middle Ages.
- JOHNSON, James Rosser. Studies in the early stained glass of Chartres Cathedral.
- MILLER, William Blackall. The Franciscan legend in Italian painting in the thirteenth century.
- REIFF, Robert F. A stylistic analysis of Arshile Gorky's art from 1943-1948.
- ROTHSCHILD, Ruth Deborah. A study in the problems of self-portraiture. The self-portraits of Paul Gauguin.
- SMITH, Norris Kelly. A study of the architectural imagery of Frank Lloyd Wright.
- STILLMAN, Samuel Damie. The genesis of the Adam style.
- WALLACE, David Harold. John Rogers, the people's sculptor.

Harvard University

- GIBBONS, Felton Lewis. The late Giovanni Bellini and his workshop.
- HOLDERBAUM, 2d, James Buchanan Imhoff. The sculptor Giovanni Bologna.
- HOMER, William Innes. Seurat's theories of color and expression: their origins and application.
- PROWN, Jules David. The English career of John Singleton Copley, R.A.
- WALDFOGEL, Melvin. The bathers of Paul Cézanne.

University of Illinois

- EHRlich, George. Technology and the artist. A study of the interactions of technological growth and nineteenth century American pictorial art.

State University of Iowa

- ECKERT, William Dean. The Renaissance stage in Italy: a study of the evolution of the perspective scene.
- GANNON, William Louis. Carriage, coach, and wagon—the design and decoration of American horse-drawn vehicles.

University of Michigan

- MARZOLF, Rosemary Anne. The life and work of Juan Carreno de Miranda (1614-1685).
- MELNIKAS, Antanas. Gentile da Fabriano: The origins and development of his style.

New York University

- ALEXANDER, Robert Lester. The art and architecture of Maximilian Godefroy.
- BROADLEY, Hugh Taylor. The mature style of Quinten Massys.
- ENGELBREKTSON, Sune. Industrial arts: its application to astronomy.
- JOHNSON, Ivan Earl. Supervision of art in large cities.
- POMMER, Richard. Some 18th century Piedmontese interiors by Juvarrá, Alfieri and Vittone.
- SAALMAN, Howard. The church of Santa Trinita in Florence.
- SIMON, Walter Augustus. Henry O. Tanner—a study of the development of an American Negro artist: 1859-1937.
- WASSERMAN, Jack. Studies on Ottaviano Mascarino.

The Ohio State University

- BROWN, Maurice Woodrow. Evolutionary aspects of my work in collage.
- CASEY, Warren Vale. Traditional and abstract backgrounds of contemporary sculpture.
- EDMONSTON, Paul. A methodology for inquiry into one's own studio processes.
- JOHNSON, Darrell Marvin. The development of painting from conceptual unity to visual unity.
- KLENK, William Charles. Image and material in collage technique.
- MACKENZIE, Donald Ralph. Painters in Ohio, 1788-1860, with a biographical index.
- NEIDHART, Carl Richard. A painter's approach to the role of theory in the creative act of painting.
- PUGLIESE, Joseph Anthony. Stylistic phases of quattrocento maiolica decoration.

Princeton University

- ROSKILL, Mark Wentworth. Dolce's "Aretino" and Venetian art-theory of the cinquecento.
- STEEFEL, JR., Lawrence D. The position of La Mariee Mise a nu a par ses celibataires, meme (1915-1923) in the stylistic and iconographic development.

Radcliffe College

- HARRIS, Jean Collins. The graphic work of Elouard Manet: a study of style and content, accompanied by a catalogue raisonné.

Yale University

- BOHAN, Peter John. James and Decimus Burton: architectural trends in England exemplified by their work, 1790-1860.
- CARROTT, Richard. The Egyptian revival: its sources, monuments, and meaning (1808-1858).

HUNTINGTON, David Carew. Frederic Edwin Church, 1826-1900; painter of the Adamic new world myth.

KENNEDY, Charles Alfred. The Whiting collection of Palestinian pottery at Yale.

KENVIN, Roger Lee. Theme and attitude in the American musical theatre.

KOSTOF, Spiro Konstantin. The orthodox baptistry of Ravenna: a study in early Christian art and architecture.

WENNEKER, Jerome Sidney. The chorus in contemporary drama.

FOLKLORE

University of Denver

ATTEBERY, Louie W. Folklore of the Lower Snake River Valley: a regional study.

Indiana University

BRUNVAND, Jan Harold. The taming of the shrew: a comparative study of oral and literary versions.

MINTZ, Jerome Richard. The legends of the Hasidim: a study of folklore and culture.

University of Minnesota

BLUESTEIN, Eugene. The background and sources of an American folksong tradition.

University of Pennsylvania

BROUGHTON, Bradford Browne. The legends of King Richard I, Coeur de Lion: a study of sources and variations to the year 1600.

FOOD TECHNOLOGY

University of California, Davis

KNAPP, Frederick Whiton. Some effects of ionizing radiation or lipid peroxidation on alpha-tocopherol and other fat-soluble vitamins.

SHANNON, Stanton. Factors affecting and biochemical reactions involved in the formation of a red pigment in purées of onion (*Allium cepa*, L.)

University of Illinois

ENDRES, Joseph George. Thermal oxidation of some synthetic triglycerides.

GANGULY, Ashok Sekhar. Studies on the nature of the stale-flavor components in dried whole milk.

HANSEN, Poul Martin Trost. Investigation of the physical state of the milk proteins in undiluted skim milk.

HUNNELL, John Wesley. Studies on the chemical composition and cytology of spores of *Bacillus coagulans*.

MCGILL, John Norman. The relation of environmental conditions to the storage quality of spinach.

TENNY, Kenneth Sidney. The chemical synthesis and biological use of tritium labeled $\Delta 9,10$ -oleic acid.

Iowa State University of Science and Technology

COLE, Morton Sylvan. Relation of sulfhydryl groups to the fading of cured meat.

ONATE, Luz Uichanco. Relation of physical, chemical and sensory evaluations of pork loin quality to the backfat thickness of hog carcasses.

University of Massachusetts

BELTRAN, Ernesto Go. Analytical studies on the thermal degradation products from milk whey proteins.

FITZPATRICK, III, Thomas Aloysius. A study of the analysis for glutamine and asparagine in natural products.

SERVADIO, Gildo Joseph. Colorimetry of cranberries and cranberry products.

TAN, Chee-Teck. Color and pigment changes in spinach processed by high temperature-short time and conventional methods.

YUSON, Sonia de Santos. Measurement and specification of small color differences in pureed foods.

Massachusetts Institute of Technology

CORNELL, Alan. Design and evaluation of an animal calorimeter.

FARKAS, Daniel Frederick. Kinetics of lipoxidase inactivation by thermal and ionizing energy.

KAREL, Marcus. Some effects of water and of oxygen on rates of reactions of food components.

SAPERS, Gerald Matthew. Evaluation of the storage stability, heat inactivation and regeneration of spinach catalase.

Michigan State University

JAYNES, John A. Effect of pH and brine concentration on growth and thermal destruction of PA 3679 in processed cheese spread.

SAMUELS, Clifford Elroy. Effect of certain packing factors on frozen strawberries and raspberries in Michigan and Oregon.

THOMPSON, Marvin Paul. Structure of the milk fat globule membrane.

University of Minnesota

SKALA, James Herbert. A study of certain physical and chemical properties of chicken eggs in relation to their initial albumen quality and to some characteristics of the hens which laid them.

University of Missouri

BIRMINGHAM, Eugene. Prepackaged fresh meat characteristics as related to quality and environmental factors.

The Ohio State University

BETSCHER, John Joseph. Friction characteristics of fluid dairy products.

VANSTAVERN, Bobby Dale. An investigation of pork carcasses and muscle composition.

The Pennsylvania State University

WONG, Noble Powell. Investigations on the flavor of normal milk and cream.

Purdue University

SPENCER, John Valentine. Factors associated with the flavor of poultry meat.

Washington State University

LIBBEY, Leonard Morton. Studies on the heterogeneity of casein by zone electrophoresis on paper.

The University of Wisconsin

LINKLATER, Peter Munro. The significance of rennin and pepsin in rennet.

GEOGRAPHY

University of California, Berkeley

COFFIN, Harry Caithness. Marine influence on the climate of southern California in summer.

University of California, Los Angeles

FOSTER, Gerald John. Oriental agriculture: the case of Ceylon.

HELIN, Ronald A. Economic-geographic reorientation in western Finish Karelia: a result of the Finno-Soviet boundary demarcations of 1940 and 1944.

WAKE, III, William Henery. The relations between transportation improvements in Madhya Pradesh, India, 1854 to 1954.

University of Chicago

CHURCH, Martha. The spatial organization of electric power territories in Massachusetts.

KENYON, James B. Industrial localization and metropolitan growth: the Paterson-Passaic district.

Clark University

BROWN, Roger James Evan. Permafrost in Canada—its effects on developments in a region of marginal human activity.

FREILE, Alfonso José. Agricultural geography of Panama.

KIRCHER, Harry Bertram. The geography of financial agglomeration in the United States.

MAIER, Emanuel. Reforestation to reestablish a balanced land use and watercycle in the Valley of the Aude in Aude, France.

STICKNEY, Hazel Latendress. The conversion from cotton to cattle economy in the Alabama Black Belt. 1930-1960.

Columbia University

LOTKOWSKI, Wladyslaw M. Upper Silesia: key to Poland.

MITCHELL, William Burton. The prospects for the Chinese Communist Yellow River plan.

The University of Florida

BUSHONG, Allen David. Agricultural settlement in British Honduras: a geographic interpretation of its development.

SRIVASTAVA, Harishankar Prasad. The India-China boundary: a study in political geography.

University of Illinois

HOY, Don Roger. Agricultural land use of Guadeloupe.

Indiana University

CARNEY, Champ Clark. The historical geography of the Chickasaw lands of Oklahoma.

State University of Iowa

KING, Leslie John. The spacing of urban places in the United States.

SMITH, Samuel Wallace. An analysis of the location of physicians in the United States for the year, 1950.

STAFFORD, JR., Howard Andrew. An analysis of grocery store locations in Des Moines, Iowa, 1958.

VUICICH, George. An analysis of the spacing of small towns in Iowa.

The Johns Hopkins University

FONAROFF, Leonard Schuyler. The Navajo sheep industry: a study in cross cultural administration.

University of Maryland

MC MILLION, Ovid Miller. Plant location factors and industrial land requirements in the Baltimore industrial area.

University of Michigan

DIEM, Aubrey. Land reform and reclamation in Sicily.

LEE, Chung Myun. Recent population patterns and trends in the Republic of Korea.

MACINKO, George. Types and problems of land use in the Columbia Basin Project area Washington.

MATLEY, Ian Murray. The Soviet approach to geography.

SOBOL, John Andrew. Huachipato: a study in industrial development.

Michigan State University

MALIK, Jahan Ara: a historical geography of Ingham, Mich.

MASAI, Yasuo. Lansing, Michigan and Shizuoka, Japan: a comparison of areal functional organization in two different environments.

University of Minnesota

CHARDON, Roland Emanuel Paul. Some geographic aspects of plantation agriculture in Yucatan.

MOMSEN, JR., Richard Paul. Routes over the Serra do Mar: an historical geography of transportation in the Rio de Janeiro-São Paulo area, Brazil.

SMITH, Henry Dixon. An analysis of the water resources of three river basins in western Minnesota with special reference to the amount of water available for irrigation.

STEINHAUSER, Frederic Robert. A geographic study of the southeast Minneapolis planning area.

The University of Nebraska

HEREFORD, Joseph Pierce. An aeronautical classification of climates.

KERSTEN, JR., Earl William. Settlements and economic life in the Walker River country of Nevada and California.

The University of North Carolina

SILVERNAIL, Richard George. The agricultural land use of the western Finger Lakes region of New York: 1600-1959.

Northwestern University

MORGAN, William Thomas Wilson. The growth and functions of the General Office District in the West End of London.

NOETHAM, Ray M. An analysis of recent industrialization in northeastern Georgia.

University of Pennsylvania

HANSEN, Willard Bernard. Residential extension in a metropolitan region: a regression analysis of subregional development rates in the Philadelphia area during the 1940-50 and 1950-55/56 periods.

Syracuse University

LONSDALE, Richard E. Industrial development in western Siberia, a geographical analysis.

ZAIDI, Iqtidar Husain. Administrative areas of West Pakistan: a geographic evaluation.

The University of Tennessee

JUMPER, Sidney Roberts. A geographical analysis of the production and marketing of fresh fruits and vegetables in Florida, Georgia, and South Carolina.

The University of Texas

SMITH, Margaret Harrison. The lower Rio Grande region in Tamaulipas, Mexico.

University of Toronto

WARKENTIN, John Henry. The Mennonite settlements of southern Manitoba.

University of Washington

BOYCE, Ronald Reed. Comparative central city spatial structure: trends in the location and linkage of selected commercial activities.

DACEY, Michael Francis. Identification of patterns on maps with special reference to data reduction for systems analysis.

MAYFIELD, Robert Charles. An analysis of tertiary activity and consumer movement: the spatial structure of Ludhiana and Jullundur districts, Punjab, in terms of central functions and the range of a central good.

TOBLER, Waldo Rudolph. Map transformations of geographic space.

The University of Wisconsin

FARLEY, Albert Leonard. Historical cartography of British Columbia with a separate appendix of maps.

SCHMUDDE, Theodore Henry. A landform geography of the lower Missouri River Valley.

SCHWARTZBERG, Joseph Emanuel. Occupational structure and level of economic development in India: a regional analysis.

SIMKINS, Paul Dean. Regionalisms in the recent migration to Arizona.

GEOLOGY

University of Arizona

BENNETT, Paul J. The economic geology of some Virginia kyanite deposits.

MARLOWE, James Irvin. Late Cenozoic geology of the Lower Safford Basin on the San Carlos Indian Reservation, Arizona.

PURDOM, William Berlin. Geology of La Minera Occidental Bosch, S.A., and the Coto Francisco, Pinar del Rio, Cuba.

Boston University

COLOMBINI, Victor Domenic. The geology of the Rangeley Quadrangle, Maine.

FARNSWORTH, Roy Lothrop. Erosion surfaces of Massachusetts.

SKAPINSKY, Stanley Alfred. The geology of Kingfield Quadrangle, Maine.

Bryn Mawr College

OLMSTED, Franklin H. Geology of the pre-cretaceous rocks of the Pilot Hill and Rocklin Quadrangles, California.

University of California, Berkeley

ARDEN, JR., Daniel Douglas. Sediments from borings along the east side of San Francisco Bay.

BAIRD, Alexander Kennedy. Superposed deformations in the central Sierra Nevada foothills, east of the Mother Lode.

BAKER, William Laird. Characteristics of the P phase.

DAVIS, Gregory Arlen. Metamorphic and igneous geology of pre-cretaceous rocks, Upper Coffee Creek area, northeastern Trinity Alps, Klamath Mountains, California.

JAMES, Gideon T. The paleontology and nonmarine stratigraphy of the Cuyama Valley Badlands, California.

KISTLER, Ronald Wayne. The geology of the Mono Craters Quadrangle, California.

LONEY, Robert Ahlberg. Structure and stratigraphy of the Pybus-Gambier area, Alaska.

McBIRNEY, Alexander Robert. Geology of a part of the central Guatemalan cordillera.

McNITT, James Raymond. Geology and mineral deposits of the Kelseyville s.e. quadrangle, Sonoma County, California.

MEANS, Winthrop Dickinson. Structure and stratigraphy in the central Toiyabe Range, Nevada.

University of California, Los Angeles

WALKER, John W. Geology of the Jackfish-Middleton area, district of Thunder Bay, Ontario, Canada.

California Institute of Technology

DODD, James Robert. Paleogeological implications of the mineralogy, structure, and strontium and magnesium contents of shells of the west coast of the genus *Mytilus*.

GROSS, JR., Meredith Grant. Carbonate sedimentation and diagenesis of Pleistocene limestones in the Bermuda Islands.

WILSON, John Coe. Geology of the Alta Stock, Utah.

University of Chicago

BENNINGTON, Kenneth. Role of shearing stress and pressure in differentiation as illustrated by some mineral reactions in the system $MgO-SiO_2-H_2O$.

DEMAR, Robert Eugene. A review of the family Dissorophidae (Amphibians) with emphasis on the Upper Wichita and Clear Fork genera.

FORSLEV, Alfred William. The composition and origin of the Valparaiso till in north-eastern Illinois.

JONES, Robert William. A structural synthesis of part of southeast Arizona.

University of Colorado

KENNEDY, Vance Clifford. Geochemical studies of mineral deposits in the Lisbon Valley area, San Juan County, Utah.

NEWMAN, Karl Robert. Micropaleontology and stratigraphy of late cretaceous and paleocene formations, northwestern Colorado.

RIECKER, Robert Edward. Geologic interpretations of hydrocarbon fluorescence.

Colorado School of Mines

DEVOTO, Richard Hahman. Geology of southwestern South Park, Park and Chaffee counties, Colorado.

JOHNSON, Donald Haskall. Geology of the Devil's Head quadrangle, Douglas County, Colorado.

PARKER, JR., Ben Hutshinson. The geology of the gold placers of Colorado.

Columbia University

BARRINGTON, Jonathan. Piercement features near Cameron, Arizona. Part 1.-A breccia pipe at Black Peak. Part 2.-Collapse features and silica plugs. Part 3.-Alteration of Tuba dike.

BOLLIN, Edgar M. Differential thermal pyrosynthesis and analysis.

BRUNE, James N. Radiation pattern of Rayleigh waves from the southeast Alaska earthquake of July 10, 1958. [Preprinted from a Symposium on Earthquake Mechanism. Publications of the Dominion Observatory, Vol. XXIV, No. 10.]

DORMAN, Henry James (w. Maurice EWING). Study of shear-velocity distribution in the upper mantle by mantle rayleigh waves. [Reprinted from the Bulletin of the Seismological Society of America. Vol. 50, No. 1, pp. 87-115, January, 1960.]

DUNNE, James A. Thermal studies of sulfide minerals.

HOWARD, John Hall. Structural development of the Williams Range thrust, Colorado.

MOLLOY, Martin William. Tertiary volcanism in the Tushar Range, Utah. Part I: X-ray spectrochemical analysis: an application to certain light elements in clay minerals and volcanic glass. Part II: Diffractometer patterns of A. P. I. reference clay minerals. Part III. The Tushar Uranium Area, Marysvale, Utah.

SIMPSON, Eugene S. Transverse dispersion in liquid flow through porous media.

Cornell University

FERNOW, Leonard Reynolds. Paleogeology of the Middle Devonian Hamilton group in the Cayuga Lake region.

GEIGER, Kenneth Warren. Reconnaissance geology and mineral deposits of the Wilson Lake-Winokapau Lake area, Labrador.

SIVARAJASINGHAM, Sivasupramaniam. Weathering and soil formation on ultrabasic and basic rocks under humid tropical conditions.

Harvard University

BARNES, Ivan Keiler. The system $Pb-U-O-H$, water saturated, 250° C.

HATCH, JR., Norman Lowrie. Geology of the Dixville Quadrangle, New Hampshire.

HOSTETLER, Paul Blair. Low temperature relations in the system: $MgO-SiO_2-CO_2-H_2O$.

JOPLING, Alan Victor. An experimental study on the mechanics of bedding.

McCUBBIN, Donald Gene. Basal cretaceous of southwestern Colorado and southeastern Utah.

MILLIGAN, George Clinton. Geology of the Lynn Lake district, northern Manitoba.

MILTON, Daniel Jeremy. Geology of the Old Speck Mountain Quadrangle, Maine.

RANKIN, Douglas Whiting. Bedrock geology of the Katahdin-Traveler Area, Maine.

WIESE, JR., Robert George. Petrology and geochemistry of a copper-bearing Precambrian shale, White Pine, Michigan.

WILSON, John Joseph. Cretaceous stratigraphy of the central Andes of Peru.

University of Illinois

BICKFORD, JR., Marion Eugene. Petrology and structure of the gabbro in the Jonesport-Milbridge area, Maine.

CLEMENCY, Charles Valentine. Variation in iron content of pyroxene amphibolite and constituent minerals at the Scott Mine, Sterling Lake, New York.

ELLWOOD, Robert Brian. Surficial geology of the Vermilion area, Alberta, Canada.

GRAF, Robert Bernard. Reactions in the system $MgO-Al_2O_3-SiO_2$ examined by continuous high-temperature x-ray diffraction.

HUSSEY, II, Arthur Mekeel. Petrology and structure of three basic igneous complexes, southwestern Maine.

METZGER, William John. Pennsylvanian stratigraphy of the Warrior Basin, Alabama.

MONROE, Eugene Alan. Mineralogical reactions between fireclay ladle bricks and basic slags at high temperature.

PAGE, Norman John. Carbonate replacement of detrital quartz in Upper Cambrian dolomites of Warren County, New Jersey.

PEIKERT, Ernest William. Petrological study of a group of porphyroblastic rocks in the Precambrian of northeastern Alberta.

PEPPERS, Russel Allen. Palynology of the McLeansboro group of Illinois and equivalent strata of western Kentucky.

SEVON, William David. Stratigraphy of Ogallala group of a portion of southwestern South Dakota.

SHOVER, Edward Franklin. Petrology of upper Paleozoic clays and shales of north central Texas.

SMITH, William Calhoun. The geology of some Pleistocene deposits and their engineering properties.

SORRELL, Charles Arnold. Solid state formation of barium, strontium, and lead feldspars in clay-sulfate mixtures.

STONE, John Elmer. Pleistocene geology of Clark County, northeastern Missouri.

THARIN, James Cotter. Glacial geology of the Calgary, Alberta area.

TOWE, Kenneth McCarn. Lateral variations in clay mineralogy across major facies boundaries in the Middle Devonian (Ludlowville), New York.

WALPOLE, Robert Leonard. Microfacies study of the Rundle group, front ranges, central Alberta.

WEBB, JR., David Knowlton. Vertical variations in the clay mineralogy of sandstone, shale, and underclay members of Pennsylvanian cyclothems.

WINGARD, Paul Sidney. Geology of the Castine-Blue Hill area, Maine.

ZADNIK, Valentine Edward. Petrography of the upper Cambrian dolomites of Warren County, New Jersey.

ZEIZEL, Arthur John. Ground-water geology of the shallow aquifers in Dupage County, Illinois.

Indiana University

COLVILLE, Alan Andrew. Paleomagnetic investigation in the vicinity of the Northern Tobacco Root Mountains, Madison County, Montana.

ELBERTY, JR., William Turner. Effect of clay mineralogy on ceramic properties.

RENZETTI, Phyllis Jean. Fauna of the Threeforks shale (Devonian) of southwestern Montana.

State University of Iowa

KOZAK, Samuel Joseph. Structural geology of the Cherry Creek Basin area, Madison Mountains, Montana.

PALMQUIST, John Charles. Petrology and structure of the Horn area, Bighorn Mountains, Wyoming.

Iowa State University of Science and Technology

HILTROP, Carl Lee Roy. Silica behavior in aggregates and concrete.

The Johns Hopkins University

HUNTER, Ralph Eugene. Iron sedimentation in the Clinton group of the Central Appalachian Basin.

LINDSLEY, Donald Hale. Geology of the Spray Quadrangle, Oregon, with special emphasis on the petrography and magnetic properties of the Picture Gorge basalt.

McIVER, Norman Lewis. Upper Devonian marine sedimentation in the central Appalachians.

TURNOCK, Allan Charles. The stability and phase relationship of Fe-Al spinels and iron chlorites.

University of Kansas

ANGINO, Ernest Edward. The effects of nonhydrostatic pressures on radiation-damage thermoluminescence.

BEBOUT, Don Gray. Desmoinesian fusulinids of Missouri.

FAY, Robert Oran. The Blaine and related formations of northwestern Oklahoma and Kansas.

GROSSMAN, Stuart. The ecology of the Rhizopodea and Ostracoda of the southern Pamlico sound region, North Carolina.

McCRONE, Alistair William. The Red Eagle cyclothem (Lower Permian).

SIEGEL, Frederic Richard. Synthesis and geologic origin of sedimentary dolomites.

Louisiana State University

GIMBREDE, Louis de Agramonte. Foraminiferal markers in the Austin group, Texas.

WALL, James Ray. Geology and regional relationships of the Sierra del Fraile, Nuevo Leon, Mexico.

WERMUND, JR., Edmund Gerald. Glauconite in early tertiary sediments of the gulf coastal province.

Massachusetts Institute of Technology

BOWKER, David Edwin. Remanent magnetization of eastern United States triassic rocks.

CROCKET, James Harvie. Radiochemical measurement of the distribution coefficient of zinc ion between crystalline (Ca, Zn) CO₃ and its saturated aqueous solution.

ECKHARDT, Donald Henry. Geomagnetic induction and the electrical conductivity of the earth's mantle.

FAURE, Gunter. Isotopic composition of strontium in basalts and the origin of igneous rocks.

HART, Stanley Robert. Mineral ages and metamorphism.

MAEHL, Richard Henry. Silurian of Pictou County, Nova Scotia.

MOORE, JR., John Marshall. Phase relations in the contact aureole of the Onawa Pluton, Maine.

SAX, Robert Louis. Simulation of density distributions from gravitational data with application to mapping a glacier.

SCHNEIDER, William Aeppli. Investigation of the radiative contribution to the thermal conductivity in sodium chloride, dunite and fused quartz.

UHRI, Duane Christian. Electrical properties of iron rich minerals.

WEBSTER, Thomas Ferris. Description and an analysis of meanders in the Gulf Stream.

WHITE, James Anthony Lawrence. Investigation of some long-term output forecasting techniques for the mineral industry.

McGill University

HAWKINS, William Maxwell. A spectrochemical study of rocks associated with the sulphide ore deposits of Chibougamau district, Quebec.

LESPERANCE, Pierre Jacques. The Silurian and Devonian rocks of the Temiscouata region, Quebec.

PAPEZIK, Vladimir Stephen. Trace elements in anorthosites.

University of Michigan

KAUFFMAN, Erle Galen. Mesozoic paleontology and stratigraphy, Huerfano Park, Colorado. (2 vols.)

KUNKLE, George Robert. The groundwater geology and hydrology of Washtenaw County and the upper Huron River basin.

MURPHY, Daniel Lawson. Precambrian geology of the Lake Carheil area, Saguenay Electoral District, Quebec.

PERHAC, Ralph Matthew. Geology and mineral deposits of the Gallinas Mountains, New Mexico.

PETERSON, Rex Marion. Ostracods of the family Quasillitidae from the Middle Devonian strata of Michigan, Ohio, New York and Ontario.

REID, JR., John Reynolds. Structural glaciology of an ice layer in a firm fold, Camp Michigan, Bay of Whales, Ross Ice Shelf, Antarctica.

SHARMA, Ghanshyam Datta. Geology of the Peters Field, St. Clair County, Michigan.

SMITH, Russell. The geology of the Redwing area, Huerfano County, Colorado.

TISCHLER, Herbert. The Pennsylvania and Permian stratigraphy of the Huerfano Park area, Colorado.

Michigan State University

MANCUSO, Joseph J. Stratigraphy and structure of the McCaslin district, Wisconsin.

University of Minnesota

MCGANNON, JR., Donald Edward. A study of the St. Lawrence formation in the upper Mississippi Valley.

University of Missouri

CARVER, Robert Elliott. Petrology and paleogeography of the Roubidoux formation (Ordovician) of Missouri.

The University of Nebraska

HOWE, John Alfred. The pleistocene horses of Nebraska.

New York University

SMITH, Foster Dewey. Cyclic sedimentation, Oficina formation, Venezuela.

The University of North Carolina

HOOKS, William Gary. The stratigraphy and structure of the Bucksville area, Alabama.

Northwestern University

CHURKIN, JR., Michael. Middle Paleozoic stratigraphy of central Idaho.

FOX, William Templeton. The stratigraphy and paleoecology of the Richmond group in southeastern Indiana.

INGELS, Jerome J. C. Thornton Reef Complex in the Silurian of northeastern Illinois.

OGREN, David Ernest. Stratigraphy of the Upper Mississippian rocks of northern Arkansas.

SHANNON, JR., John Philip. Hunton group and related strata in Oklahoma.

The Ohio State University

MAHONEY, William Clement. Proposal, development, and testing of a system of analytical triangulation for medium-scale digital computers.

WOLFE, Edward Winslow. Geology of Fairfield County, Ohio.

The University of Oklahoma

DISNEY, Ralph Willard. The subsurface geology of the McAlester Basin, Oklahoma.

JONES, Eugene L. Plant microfossils of the laminated sediments of the lower Eocene Wilcox group in south-central Arkansas.

The Pennsylvania State University

CAMERON, Alexander Rankin. Some petrological aspects of the Harbour Seam, Sydney Coalfield, Nova Scotia.

DUTCHER, Russell Richardson. Physical, chemical, and thermal properties of selected vitrinitic substances.

ELLISON, Robert Lee. Middle Devonian mahantango formation in parts of south-central Pennsylvania.

PUTMAN, George Wendell. A study of the distribution of trace elements in some igneous rocks of northwestern and central Arizona.

THOMPSON, Richard Rogers. Lithostratigraphy of the Middle Ordovician Salona and Coburn formations of the Trenton group in central Pennsylvania.

Princeton University

BARKER, Daniel Stephen. Hallowell granite and associated rocks, south central Maine.

BOWIN, Carl Otto. Geology of Central Dominican Republic.

DE, Aniruddha. Petrology of dikes emplaced in the ultramafic rocks of southeastern Quebec.

OTALORA, Guillermo. Geology of the Baranquitas Quadrangle, Puerto Rico.

PESSAGNO, JR., Emile Anthony. Geology of the Ponce-Coamo area, Puerto Rico.

SHEDLOVSKY, Julian Paul. Cosmogenic Mn^{53} , Al^{26} , and Be^{10} in iron meteorites and a search for terrestrial Mn^{53} .

Rensselaer Polytechnic Institute

LA FLEUR, Robert G. Pleistocene geology of the Troy, New York, quadrangle.

St. Louis University

FURUMOTO, S.M., Brother Augustine Sadamu. The use of ScS wave data in determining the mechanism at the focus of an earthquake.

University of Southern California

SZATAI, John Endre. The geology of parts of the Redrock Mountain, Warm Spring, Violin Canyon and Red Mountain Quadrangles, Los Angeles County, California.

Stanford University

BAYOUMI, Abdel-Rehim Imam. Gravity and magnetic study in the San Joaquin Valley.

BULL, William Benham. Alluvial fans and near-surface subsidence, western Fresno County, California.

CHUBER, Stewart. Late Mesozoic stratigraphy of the Elk Creek-Fruto area, Glenn County, California.

COLBURN, Ivan Paul. The tectonic history of Mount Diablo, California.

CZAMANSKE, Gerald Kent. A study of the solubilities of iron, lead, and manganese sulfides at elevated temperatures under conditions of geologic interest.

HALL, Francis Ramey. Geology and ground water of a portion of eastern Stanislaus County, San Joaquin Valley, California.

HUNKINS, Kenneth Leland. Elastic wave studies in the Arctic Ocean.

KVENVOLDEN, Keith Arthur. Normal paraffin hydrocarbons in recent sediments from San Francisco Bay, California.

LEO, Gerhard William. The Plutonic and Metamorphic rocks of Ben Lomond Mountain, Santa Cruz County, California.

LOOMIS, Alden Albert. Petrology of the Fallen Leaf Lake area, California.

MEADE, JR., Robert Heber. Compaction and development of preferred orientation in clayey sediments.

MILITANTE, Priscilla Juan. A systematic study of the Gastropod family Rissoinidae.

NARASIMHAN, Tyagarajan. Eocene disconformities and coccolithophores from central California.

PETERSON, Donald William. Dacitic ash-flow sheet near Superior and Globe, Arizona.

PICKERING, Ranard Jackson. Some solubility studies of alumina, ferric oxide and silica and their relation to laterization.

SIMS, Samuel John. Geology of part of the Santa Rosa Mountains, Riverside County, California.

STAUFFER, Karl Walter. Quantitative petrographic study of paleozoic carbonate rocks, Caballo Mountains, New Mexico.

STEWART, John Harris. Stratigraphy and origin of the Chinle formation (Upper Triassic) on the Colorado plateau.

VIGRASS, Laurence William. Geology of the Suplee area, Crook, Grant, and Harney counties, Oregon.

WILLDEN, Charles Ronald. Geology of the Jackson Mountains, Humboldt County, Nevada.

The University of Texas

BALLARD, William Wayne. Sedimentary petrology of post-Madison-pre-Kootenai rock, north flank of Little Belt Mountains, Montana.

MOORE, JR., Clyde Herbert. Stratigraphy of the Fredericksburg division, south-central Texas.

POWELL, James Danny. Stratigraphy of Cenomanian-Turonian (Cretaceous) strata, northeastern Chihuahua and adjacent Texas.

WATKINS, JR., Joel Smith. Gravity and magnetism of the Ouachita structural belt in central Texas.

WINTER, Johannes Antonius Franciscus. Fredericksburg and Washita strata (sub-surface lower Cretaceous), southwest Texas.

University of Toronto

ANDERSON, Gregor Munroe. A study of lead sulfide solubility in aqueous solutions of H_2S and its geological significance.

BAIN, Ian. The geology of the Grenville Belt through Actinolite, Ontario.

WILLIAMS, Harold. A petrographic study of the metamorphic rocks of the Chisel Lake area, northern Manitoba.

University of Utah

COSTAIN, John Kendell. Geology of the Gilson Mountains and vicinity, Juab County, Utah.

SCHAEFFER, JR., Frederick Ernst. Geology of the central and southern Silver Island Mountains, Tooele County, Utah and Elko County, Nevada.

Washington University

HAYS, Walter Wesley. A paleomagnetic investigation of some of the Pre-Cambrian igneous rocks of southeast Missouri.

KAYS, Marvin Allan. Petrography of the Sanford Hill titaniferous magnetite deposit, Essex County, New York.

MEIDAV, Tsvi. Analysis of the viscoelastic properties of some rheological models as applied to earth materials.

University of Washington

ENBYSK, Betty Joyce. Distribution of foraminifera in the northeast Pacific.

FRITZ, William Harold. Structure and stratigraphy of the northern Egan range, White Pine County, Nevada.

RAGAN, Donal Mackenzie. The geology of the Twin Sisters dunite in the Northern Cascades, Washington.

William Marsh Rice University

CRAM, JR., Ira H. A crustal structure refraction survey in south Texas.

FRIEDMAN, Melvin. Petrofabric analysis of experimentally deformed calcite-cemented sandstones.

LANE, Donald Wilson. Studies of sedimentary environments in the cretaceous Dakota sandstone in northwestern Colorado.

PARK, JR., David Eugene. The origin of bedded silicates with particular reference to the caballos and Arkansas novaculite formations.

The University of Wisconsin

BEHRENDT, John Charles. Geophysical studies in the Filchner ice shelf area of Antarctica.

BOSTOCK, Hewitt Hamilton. The petrology of the Shingle Creek porphyry.

DOMAN, Robert Charles. Causes of optical scatter in plagioclase feldspar.

EVOY, Ernest Franklin. Geology of the Gunnar uranium deposit, Beaverlodge area, Saskatchewan.

HAYES, John Bernard. Mississippian goeodes of the Keokuk, Iowa region.

MANN, Christian John. Pennsylvanian stratigraphy of southwestern Wyoming, northwestern Colorado and northeastern Utah.

MIATECH, Gerald James. Solar-correlated upper atmospheric variations deduced from satellite observations.

PARKER, Pierce Dow. Some physical chemical aspects of ore deposition.

SANKER-NARAYAN, P. V. Mathematical methods in the interpretation of magnetic data.

STEINHART, John Shannon. Explosion studies of continental structure.

WEART, Wendell Duane. Determination of the seismic characteristics of desert alluvium.

WRIGHT, Charles Malcolm. Geology and origin of the pollucite-bearing Montgry pegmatite, Manitoba.

University of Wyoming

HALL, William B. The geology of the Upper Gallatin River basin, southwestern Montana.

Yale University

BERRY, Richard Harry. Precambrian geology of the Putnam-Whitehall area, New York.

BURCHFIEL, Burrell Clark. Structure and stratigraphy of the Specter Range quadrangle, Nye County, Nevada.

DUNHAM, Robert Jacob. Geology of uranium in the Chadron area, Nebraska and South Dakota.

FIELD, III, Cyrus West. Sulfur isotope geology of vein-type and sandstone-type uranium deposits.

POWERS, Richard Wallace. Arabian Upper Jurassic carbonate reservoir rocks.

HEALTH SCIENCES

GENERAL

University of California, Los Angeles

JENSEN, Marcus M. Sound stress and susceptibility to vesicular stomatitis virus.

University of California,
San Francisco Medical Center

KASBEKAR, Dinkar Kashinath. Studies on the incorporation of iron into apoferritin.

NAGABHUSHANAM, Alle. Physiocochemical studies on ferritin.

University of Cincinnati

EBLING, Paul Robert. Phosphorus, a respiratory poison.

POWELL, Charles H. Ion-exchange chromatographic behavior of the high molecular weight protein properdin.

Harvard University

TEMOCHE, Abelardo. Suicide and known mental disease.

State University of Iowa

EDWARDS, Sam Allen. A comparison of controls as found in hospitals with those in industries classified as public utilities.

LEVEY, Samuel. Conflict and organization: some aspects of conflict in hospitals.

McCARTHY, Thomas. The possible influence of the health care desires of labor on the adequacy of future hospital facilities.

McGill University

DOSSETOR, John Beamish. Studies of diurnal electrolyte excretion.

University of Minnesota

WASS, Wallace Milton. Studies on bovine porphyria.

New York University

ANDERSON, Gordon Wilcox. An evaluation of the coordination status of health programs in and among eight selected central schools of Broome County, New York.

KENYON, Gerald Sidney. The effects of exercise and physical training upon circulating eosinophilic granulocytes.

LEHMAN, Orin. The early life of Howard A. Rusk, M.D. (1901-1945).

MYERS, Dorothy. Analysis of the administrative process: a case study of policy making in a medical service organization.

The Ohio State University

MILLER, II, Earl Fred. Counterrolling of the human eyes produced by neck flexion and head tilt with respect to gravity.

The University of Oklahoma

HAGANS, James Albert. Sequential analysis in medical research.

The University of Rochester

MIYAMOTO, Kenro. A general theory of the boundary diffraction wave and related investigations.

SMITH, Abbott. Investigations of photoconductivity and photoemission in lead sulfide in the vacuum ultraviolet.

Stanford University

THOMPSON, David Alfred. On the evaluation of human ability to perform industrial work.

DENTISTRY**Northwestern University**

PERRY, JR., Harold Tyner. Kinesiology of the temporal and masseter muscles in chewing a homogeneous bolus. A serial electromyographic study.

ROVELSTAD, Gordon H. The morphological, physical, and biochemical characteristics of salivary corpuscles.

WERN, George Herman. The determination of suitable criteria for evaluating clinical performance in dentistry.

University of Missouri

VANTRUMP, William Frederick. Duties, competencies and opportunities for trained licensed practical nurses working in the hospitals of Missouri.

St. Louis University

FOLEY, Margaret Mary. The hospital school of nursing: an analysis and an evaluation.

The University of Texas

WILLMAN, Marilyn Dawn. Attitudes and problems of student nurses.

University of Chicago

FITCH, Frank W. Immunohistochemical study of Ehrlich ascites tumor.

SAGER, Robert H. The effects of a low phosphorus ration on calcium and citrate metabolism in the rat.

TRACY, Richard E. Studies on the mechanism of hyperlipemia in the nephrotic syndrome.

University of Colorado

WASI, Prawase. The histopathologic study of the development of the irradiation-induced leukemia in C57BL mice and of its inhibition by testosterone.

Cornell University

CONWAY, Donal Peter. A study of variables influencing controlled infections with *Haemonchus contortus* (Rudolphi, 1803).

HYGIENE**Boston University**

AMOS, Rosemary. The construction and evaluation of an instrument to identify the health interests of high school students.

MINAERT, Walter A. The development of a standard health examination for teachers.

Harvard University

FULTYN, Robert Victor. Adsorption of sulfur dioxide in fixed and fluidized carbon beds.

State University of Iowa

CHU, Kuang Yu. Drug susceptibility of geographic strains of *Schistosoma japonicum*.

New York University

ALDUBI, Lemel Dov. The effect of oxygen intake on the physiological cost of exercises of two different work-loads.

BROWN, Myrtle Irene. Changing maternity care patterns in migrant Puerto Ricans.

BROWN, William Crews. An evaluation of the present status of health services in Negro land-grant colleges.

LEVIN, Adeline Lois. A study to develop a guide in the area of sex education in grades seven through nine.

NUTRITION**University of Arizona**

VARNELL, Thomas Raymond. Factors influencing the electrophoretic pattern of serum proteins, glyco proteins, and lipoproteins in the sera of the bovine and ovine species.

Cornell University

MACKELLAR, Ingeborg. Self-selected protein and energy intakes of adolescent boys in relation to urinary excretions of total nitrogen and urea nitrogen.

MANER, Jerome Herman. Studies of factors affecting the utilization of isolated soybean protein by young pigs and rats.

THORANGKUL, Dana. Adaptation to a low-calcium intake by seven young men.

Harvard University

SOGANDARES, Lucila Elena. Nutritional study of preschool children in a Panamanian village.

New York University

BRICKER, A. June. Some environmental influences on food habits of women clerical workers.

PATHOLOGY**University of California, Berkeley**

MADIN, Stewart H. Pathogenesis of vesicular exanthema of swine.

McRAE, James. Studies of the graft host interaction in the mouse.

University of Michigan

BARRON, Charlie Nelms. The comparative pathology of neoplasms of the eyelids and conjunctiva, with special reference to those of epithelial origin.

University of Minnesota

ROSS, Griff Terry. Studies of some morphologic properties and hormonal activities of a suspension of intact single cells derived from the anterior hypophysis of the adult male rat.

The Ohio State University

PIPER, Richard Carl. The ocular pathology of canine, feline, porcine, ovine, and bovine toxoplasmosis.

NURSING**University of California, Berkeley**

MATHEWS, Betty Phelps. A study of the effect of administrative climate on the nurse's psychological orientation toward the hospital patient.

University of Utah

EVANS, Merydith Edmunds. Stuttering therapy in practicum.

The University of Wisconsin

ALLEN, James Rex. The role of "toxic fat" in the production of hydropericardium and ascites.

EASTERDAY, Bernard Carlyle. Experimental rift valley fever.

MERKOW, Leonard Philip. The response of connective tissue to chemical injury.

PHARMACY

University of California,
San Francisco Medical Center

BALLARD, Berton Etienne. The physico-chemical properties of drugs that control their absorption rate after implantation.

State University of Iowa

AHSAN, Sayed Sami. Interaction of pharmaceuticals with nonionic macromolecules.

University of Minnesota

FEIGL, Polly Catherine Bartholomew. Design considerations for the postoperative evaluation of analgesic drugs.

University of Utah

DUKE, Victor Hal. Pharmaceutical applications of a pinyon oleoresin.

The University of Wisconsin

DEMPSKI, Robert E. An investigation of adsorption and permeability of lipid-soluble substances in excised human keratin.

GUILLOREY, James Keith. Solid state stability of some crystalline vitamin A compounds.

HAMPTON, Richard John. An analysis of the relationship between variations in promotion and sales of ethical pharmaceutical products.

KRAMER, Sherman Francis. An investigation of some factors influencing percutaneous absorption.

PAPARIELLO, Gerald Joseph. The response to environmental gaseous composition of glass-metal junction current.

SCIARRONE, Bartley John. Formation of molecular complexes by diketobenzodiazines and their methylated derivatives with phenol and dihydroxybenzenes.

WINDHEUSER, John Joseph. The kinetics of thiamine hydrolysis.

WITIAK, Donald Theodore. Part I. Conformational analysis of the Prins reactions. Part II. An investigation of plant resistance factors from alfalfa.

PUBLIC HEALTH

University of California, Berkeley

ARNOLD, Mary Fox. A study of professional role in a multi-disciplinary health setting.

Columbia University

ADELSON, Becky. The Brooklyn Day Hospital: an exploratory study.

Harvard University

FERNANDO, Malcolm Aubrey. Morbidity and medical care: sex differences among children under different environments.

FREYMAN, Moya Wicks. Medical students' perceptions of a public health career.

The Johns Hopkins University

BUCK, Alfred Andreas. Epidemiologic investigations on sarcoidosis.

COLTON, Theodore. Optimum multi-stage screening plans.

KOKERNOT, Robert Hutson. A study of results obtained by hemagglutination-inhibition tests and neutralization tests with arthropod-borne viruses in a serologic survey of residents of Portuguese East Africa.

LLOYD, James Armon. The interrelationships of hormonal and environmental stimuli as factors in the induction of the incubation patch in the European starling.

University of Maryland

SCANLON, John Earl. The relationship of *Culicoides* (Diptera, Ceratopogonidae) to the transmission of the virus of eastern equine encephalitis.

University of Minnesota

KAPLAN, David Meyer. Predicting outcome from situational stress on the basis of individual problem-solving patterns.

New York University

BERNER, Bernard. Description and evaluation to a Veterans Administration tuberculosis hospital rehabilitation program.

MC KENZIE, Miriam Tanzer. Flexibility and mental health: a T.A.T. study.

The University of North Carolina

MOHAMED, Mohamed Hussein. A statistical study of factors influencing the incidence of breast cancer in females.

YARINSKY, Allen. The effects of x-irradiation on the immunity of mice infected with *Trichinella spiralis*.

University of Pittsburgh

CUTLER, Sidney J. A statistical approach to the dynamics of patient survival.

KRUSE, Cornelius Wolfram. A study of coal dust control in power plants.

Stanford University

MAZEN, Ahmed Kamel. Development of the medical care program of the Egyptian region of the United Arab Republic.

Tulane University

SCHACHER, John Fredrick. Studies on the life history and morphogenesis of *Brugia pahangi* (Buckley and Edeson, 1956) Buckley, 1958.

Yale University

BOURKE, Anthony Thomas Conal. Studies on a recently isolated arthropod-borne virus.

KISSICK, M.D., William Lee. Serologic epidemiology of rheumatoid arthritis.

SURGERY

University of Cincinnati

BRUCK, William. Declomycin prophylaxis for experimental clostridial myositis.

GONZALEZ, Luis Lionel. Physiological effects of tricuspid insufficiency.

YALE, Charles E. An experimental study of the physiological and bacteriological changes of strangulated intestinal obstruction.

University of Illinois, Chicago Professional
Colleges

SLAWIKOWSKI, George Joseph Marian. Endocrinologic phases of tumor "take" and tumor growth as related to surgical stress.

University of Minnesota

IMAMOGLU, Kamil. The origin of gallstones.

JENSON, Conrad Belnap. The effect of hypothermia on experimentally induced pancreatitis.

MOWLEM, Albert. Observations on some factors influencing blood flow in the lungs.

SHAHON, Donald Bernard. The uptake of radioactive phosphorus by human and experimental tumors.

University of Toronto

COBB, Leon Moseley. Experimental surgery of the canine liver.

HISTORY

GENERAL

The American University

- KAGANOFF, Nathan M. The traditional Jewish sermon in the United States from its beginnings to the first world war.
- KORGAN, Julius. Farmers picket the depression.

Boston University

- CROSBY, JR., Alfred Worcester. America, Russia, hemp and Napoleon: a study of trade between the United States and Russia, 1783-1814.
- MOORE, Robert Joseph. Historians' interpretations of the reconstruction period in American history.
- NICOLL, George Douglas. Russian participation in the second international, 1889-1914.
- SPECTOR, Robert Melvyn. W. Cameron Forbes and the Hoover commissions to Haiti.
- YOUNIS, Adele Linda. The coming of the Arabic-speaking people to the United States.

Brandeis University

- MURPHY, Joseph Samson. The theory of universals in eighteenth century British empiricism.

University of California, Los Angeles

- BROGDEN, Neal H. French military reform after the defeat of 1870-1871.
- FLEMMING, Barbara H. Landschaftsgeschichte von Pamphylien, Pisidien und Lykien im Spätmittelalter.
- FROST, Frank J. The Scholarship of Plutarch: the biographers contribution to the study of Athenian history, 480-429 B.C.
- KEEN, Quentin B. Alexander Garden, commissary for the Carolinas.
- STONEHOUSE, Merlin. Lincoln's carpetbagger J. W. North.

The Catholic University of America

- CLARK, Reverend Aubert J. The movement for international copyright in nineteenth century America.
- HINGER, Reverend George W. The attitudes of *Le Correspondant* and *La Revue Des Deux Mondes* toward the political role of Austria-Hungary during the years 1890-1914.

University of Chicago

- CHEANEY, Henry Ellis. Attitudes of the Indiana pulpit and the press toward the Negro, 1860-1880.
- DEWEY, Donald Odell. The sage of Montpelier: James Madison's constitutional and political thought, 1817-1836.

HAAS, Arthur Gustav. Metternich, reorganization and nationality, 1813-1818.

HOLBO, Paul Sothe. The vote against war, 1917.

HOLLINGSWORTH, Joseph Rogers. A study in party division: the Democratic Party, 1893-1900.

LEWALSKI, Kenneth F. The political ideas and activities of Adam Mickiewicz, 1817-1855.

NUGENT, Walter Terry King. Populism and nativism in Kansas, 1888-1900.

SKARDON, Alvin W. William Augustus Muhlenberg: pioneer urban church leader.

SMITH, William Raymond. History as argument: three patriot historians of the American Revolution.

STECKMESSER, Kent Ladd. The hero of the American West in history and legend.

SWECKER, Zoe. The early Iberian accounts of the far east, 1550-1600.

Columbia University

ASHCRAFT, Allan C. Texas: 1860-1866. The lone star state in the Civil War.

AVRICH, Paul Henry. The Russian Revolution and the factory committees.

BERNHARD, Winfred Edward Alexis. Fisher Ames, spokesman of Federalism, 1758-1797.

COBEN, Stanley. The political career of A. Mitchell Palmer.

DAIN, Norman. Insanity: changing concepts in the United States, 1789-1865.

DOMANDI, Mario Thomas. The German youth movement.

DUSINBERRE, William Warner. Civil War issues in Philadelphia, 1856-1865.

EDMUNDS, Sheila. Manuscripts and illumination in the Duchy of Savoy.

ELLIS, Joseph Albert. Francisco Pimentel, his life and times.

GRIFFEN, Clyde Chesterman. An urban church in ferment: the Episcopal Church in New York City, 1880-1900.

HOSMER, JR., Charles Bridgham. Old houses in America: the preservation movement to 1926.

JACKSON, JR., George Duncan. The Green International and the Red Peasant International. A study of Comintern policy towards the peasant political movement in Eastern Europe.

JOHNSON, Donald Oscar. American Civil Liberties Union: origins, 1914-1924.

KAFKER, Frank Arthur. The encyclopedists and the French Revolution.

KENNY, Alice Patricia. The Gansevoorts of Albany and Anglo-Dutch relations in the Upper Hudson Valley, 1664-1790.

KIEFFER, Martin John. French "defeatism" in World War I.

KIMBALL, Stanley Buchholz. Czech nationalism: a study of the national theatre movement, 1845-1883.

LERNER, Warren. Karl Radek on world revolution: a study in revolutionary strategy and tactics.

RANDALL, Francis Ballard. The major prophets of Russian peasant socialism; a study in the social thought of N. K. Mikhailovskii and V. M. Chernov.

ROSENBERG, Charles Ernest. The cholera years: the United States in 1832, 1849, and 1866.

WARD, Harry M. The Department of War, 1781-95.

Dropsie College

ARBELLI, Aaron J. Studies in the history of the Jews in Poland during the eighteenth century.

EIDELBERG, Shlomo. Israel Isserlein and his contemporaries as reflected in their responsa—a contribution to the history of the Jews of Germany and Austria in the fifteenth century.

Duke University

BRIGHT, JR., Samuel R. Confederate coast defense.

FERGUSON, Clyde Randolph. General Andrew Pickens.

GRUBER, Ira Dempsey. Admiral, Lord Howe and the American war for independence.

STARK, John Daniel. William Watts Ball: a study in conservatism.

ZUBER, Richard Lee. Jonathan Worth—a biography of a southern Unionist.

Fletcher School of Law and Diplomacy

MOYNIHAN, Daniel Patrick. The United States and the International Labor Organization, 1889-1934.

XUTO, Manaspas. United States relations with Formosa, 1850-1955.

The University of Florida

WHITE, Roy Ring. Austin Cary and forestry in the South.

Fordham University

BUSH, S.J., Reverend John W. Napoleon III and the redeeming of Venetia, 1864-1866.

BUTTERS, Avery J. New Hampshire history and the public career of Meshech Weare, 1713 to 1786.

BYRNE, C.P., Reverend Venard J. Alexander Komulovic, papal diplomat 1593-1598.

LENCYK, Wasyl. The Eastern Catholic Church and Czar Nicholas I.

Georgetown University

GAGLIANO, Joseph Anthony. A social history of coca in Peru.

MANNING, Roger Burrow. The Episcopate of Richard Curteys, Bishop of Chichester, 1570-1582: an aspect of the Elizabethan religious settlement in Sussex.

TENG, Yuan C. American and the Taiping Tien Kuo: a case study of cultural confrontation.

Harvard University

BARROW, Thomas Churchill. The colonial customs service, 1660-1775.

BLODGETT, Geoffrey Thomas. Massachusetts Democrats in the Cleveland era.

BRAND, Charles Macy. Byzantium and the West: political relations, 1180-1203.

BURNS, Robert Edward. The rise of John Fitzgibbon 1776-1789: a study of Anglo-Irish politics during the age of the American revolution.

BUSHMAN, Richard Lyman. Government and society in Connecticut, 1690-1760.

COHEN, Paul Andrew. Chinese hostility to Christianity: a study in intercultural conflict, 1860-1870.

DAWSON, 3d, John Philip. The judges in the *bailliages* and *sénéchaussées*, 1763-1800: a study of middle-class office-holders before and during the French Revolution.

DEBUS, Allen George. The English Paracelsians: a study of iatrochemistry in England to 1640.

FORBES, Henry Ashton Crosby. A study of religious melancholy and seventeenth century English Puritan dissent.

GOFFART, Walter André. The Le Mans forgeries: an inquiry into their date, purpose, and authorship.

GOODMAN, Paul. The Democratic-Republicans of Massachusetts, politics in a young republic.

KARL, Barry Dean. Twentieth century concepts in public administration: Merriam, Brownlow, and Gulick.

KATZ, Seymour. The Unitarian ministers of Boston, 1790-1860.

KATZ, Stanley Nider. An easie access: Anglo-American politics in New York, 1732-1753.

MCGILL, JR., William James. The political education of Wenzel Anton von Kaunitz-Rittberg.

MEACHAM, JR., Standish. Henry Thornton of Clapham, 1760-1815.

POLLACK, Norman. Social thought in the industrial transformation: a study in mid-western populism.

PROCTER, Ben Hamill. John H. Reagan.

RAMMELKAMP, Julian Sturtevant. Pulitzer's *Post-Dispatch*: its formative years, 1878-1883.

SALSBURY, Stephen Michael. Private enterprise in Massachusetts: the beginnings of the Boston and Albany Railroad 1825-1842.

SHEKETOFF, Merwin Arthur. William Graham Sumner: Social Christian, 1869-1872.

SIMON, John Younker. Congress under Lincoln, 1861-1863.

SKIDMORE, Thomas Elliott. The chancellorship of Capri: a constitutional study.

TENTLER, Thomas Nathaniel. The problem of anxiety and preparation for death in Luther, Calvin, and Erasmus.

TOLMIE, Murray MacEachern. General and particular Baptists in the Puritan revolution.

TRYON, Warren Stenson. The Singing Shepherd. The life of James T. Fields, publisher to the Victorian Age. 1817-1881.

WINTER, James Hannibal. The Liberal Party and parliamentary reform: 1852-1867.

WOEHLIN, William Frederick. The world view of N. G. Chernyshevskii.

Indiana University

FIFE, Robert Oldham. Alexander Campbell and the Christian Church in the slavery controversy.

FREDERICK, Robert Allen. Colonel Richard Lieber, conservationist and park builder: the Indiana years.

University of Kentucky

CURRY, Leonard Preston. The Thirty-Seventh Congress: blueprint for modern America.

RICE, Otis Kermit. Frontier West Virginia: some aspects of its political, social, and economic development.

Louisiana State University

DEW, Lee Allen. The racial ideas of the authors of the Fourteenth Amendment.

University of Michigan

TANNER, Helen Hornbeck. Vicente Manuel de Zéspedes and the restoration of Spanish rule in east Florida, 1784-1790.

University of Minnesota

LE, Van Diem. Puritan idealism and the Transcendental movement.

The University of New Mexico

KELLY, Lawrence Charles. The Navajos and federal policy, 1913-1935.

MCGRATH, James William. The Catholicism of Orestes A. Brownson.

SANCHEZ, Jose Mariano. Church and state during the Second Spanish Republic, 1931-36.

Northwestern University

ARNSTEIN, Walter Leonard. The Bradlaugh case: a study in late victorian opinion and politics.

LEVINE, Daniel. Variety in reform thought: social assumptions of American reformers, 1890-1912.

POLISHOOK, Irwin Herman. Rhode Island and the Union, 1774-1790. A study in state history during the Confederation Era.

The Ohio State University

KNOPF, Richard Clark. Anthony Wayne and the founding of the United States Army.

The University of Oklahoma

BROWN, Donald Norton. Southern attitudes toward Negro voting in the bourbon period, 1877-1890.

DONOVAN, Timothy Paul. Henry Adams and Brooks Adams: the search for a law.

GERICKE, Robert William. German commercial policy and party politics, 1890-1903.

LUTTER, Martin H. Oklahoma and the World War, 1914-1917: a study in Sooner public opinion.

SPANGLER, Earl. A history of the Negro in Minnesota.

University of Pennsylvania

OESTE, George Irvin. The diplomatic career of John Randolph Clay.

University of Pittsburgh

CHESTER, Edward William. Trends in recent European thought on America.

DONAGHY, Brother Lewis. Operational history of the Liverpool & Manchester Railway, 1831-1845.

Princeton University

HURLEY, Alfred Francis. The aeronautical ideas of General William Mitchell.

SHY, John Willard. The British Army in North America, 1760-1775.

The University of Rochester

BRAGDON, Chandler. Canadian attitudes to the foreign policy of the United States in the period 1935-1939.

COHEN, David K. The social theory of Auguste Comte: (1819-1826).

DONALD, Aida DiPace. Prelude to civil war: the decline of the Whig Party in New York 1848-1852.

PARKMAN, Aubrey Lawrence. David Jayne Hill.

ULLMANN, Walter. The Quebec bishops and confederation.

WESSER, Robert F. Charles Evans Hughes and New York politics: 1905-1910.

Rutgers University

BARKER, JR., John Walton. Manuel II Palaeologus 1391-1425: a study in late Byzantine statesmanship.

OSBORNE, John Walter. William Cobbett and his England: a study in social and political ideas.

St. Louis University

SHANAHAN, S.J., Reverend Robert John. The Catholic Hospital Association: its first twenty-five years (1915-1940).

University of Southern California

PURSINGER, Marvin Gavin. Oregon's Japanese in World War II, a history of compulsory relocation.

Stanford University

ERICSON, Jon Meyer. John Wise: colonial conservative.

Syracuse University

COOPER, Johnson Gaylord. Oswego in the French-English struggle in North America, 1720-1760.

KRANZ, Marvin Wolf. Pioneering in conservation: a history of the conservation movement in New York State, 1865-1903.

OLIVA, Lawrence Jay. French policy in Russia—1755-1762.

Texas Technological College

GORDON, Joseph F. The history and development of irrigated cotton on the high plains of Texas.

University of Toronto

FREEMAN, Alvin Zell. The nation in array, a study of the infantry in the English armies of Edward the First.

KENDRICK, Thomas Frank James. The Church-Whig alliance, the Anti-Clericalists and the government of Sir Robert Walpole, 1727-1737.

LEITH, James Andrews. The idea of art as propaganda in France 1750-1799: a study in the history of ideas.

MACCORMACK, John Ronald. The Long Parliament House of Commons, 1643-48.

UZ-ZAMAN, Waheed. Major currents of Muslim politics in India: 1928-1940.

University of Washington

BUNTIN, Arthur Roy. The Indian in American literature, 1680 to 1760.

CRAWFORD, Robert Bruce. The life and thought of Chang Chü-Cheng; 1525-1582.

KILCOYNE, Martin Joseph. The political influence of Rasputin.

Western Reserve University

SLAVIN, Morris. Left of the mountain: the Enrages and the French Revolution.

William Marsh Rice University

MONROE, JR., Haskell M. The Presbyterian Church in the Confederacy.

The University of Wisconsin

BOERNER, Barbara Welter. The United States and Weimar Germany 1919-1929.

HINTON, Harwood Perry. The military career of John Ellis Wool, 1812-1863.

KIFER, Allen Francis. The Negro under the New Deal 1933-1941.

MEEHAN, Thomas Richard. The Pennsylvania Supreme Court in the law and politics of the Commonwealth 1776-1790.

REIMERS, David Morgan. Protestant churches and the Negro. A study of several major Protestant denominations and the Negro from World War One to 1954.

WHITE, Donald Arthur. The Saxon shore.

Yale University

LANGDON, JR., George Dorland. New Plymouth: a history of the old colony.

Yeshiva University

WOHLBERG, Harry I. The Zionist idea in homiletic literature in the period preceding the rise of political Zionism—1840-1900.

New York University

HASKINS, John Franklin. The fifth Pazyryk Kurgan and the "animal style."

The University of Oklahoma

MURPHY, Joseph F. Potawatomi Indians of the West: origins of the citizen band.

University of Pennsylvania

KNUDSEN, Ann Konrad. A study of the relation between Phrygian metalware and pottery in the eighth and seventh centuries B.C.

Radcliffe College

BROMBERG, Anne Ruggles. *Concordia*: studies in Roman marriage under the Empire.

MEDIEVAL

University of California, Los Angeles

FORNARA, Charles W. *Strategia of Athens* 501/0-405/4.

HOLLISTER, Charles Warren. The military organization of England under the first three Norman kings, 1066-1135.†

Cornell University

FISHER, Craig Buford. The beginnings of communal historiography in central Italy.

MORRISON, Karl Frederick. Dualism in Frankish political thought: 814-887.

Emory University

RUSSELL, Jeffrey Burton. Heresy in the diocese of Liege before 1160.

Fordham University

MADDEN, SR., M. James Eugene. The English Cistercians: taxation by king and pope, 1216-1377.

Radcliffe College

BROWN, Elizabeth Atkinson Rash. Charters and leagues in early fourteenth century France: the movement of 1314 and 1315.

The University of Wisconsin

FRANK, Donald Kenneth. Twelfth century naturalism and the troubadour ethic.

ANCIENT

Bryn Mawr College

WILKINSON, Beryl M. The names of children in Roman imperial epitaphs. A study of social conditions in the lower classes.

The Claremont Graduate School

BOOSMAN, Ruth Wingfield. Kanheri caves.

Columbia University

PORGES, Sarah Berman. A lease of an olive grove from the archive of Aurelius Isidorus (*P. COL.*, INV. NO. 65).

University of Pennsylvania

MATTHEWS, JR., Kenneth David. Cicero and the Age of Marius.

Princeton University

CONNOR, Walter Robert. Studies in Ephoros and other sources for the cause of the Peloponnesian War.

ARCHAEOLOGY

University of California, Los Angeles

ASCHER, Robert. The nature of the imitative experiment in archaeology.†

MODERN

University of Alabama

COCHRAN, John Perry. The Virginia Agricultural and Mechanical College: the formative half century, 1872-1919, of Virginia Polytechnic Institute.

MOORE, William Glenn. Economic coercion as a policy of the United States, 1794-1805.

Boston University

BENNETT, Norman Robert. The Arab power of Tanganyika in the nineteenth century.

The University of Buffalo

MAC NAUGHTON, John Gordon. Democratic hostility to the navigation and commerce of the Great Lakes as a neglected factor in the rise of the Republican Party.

University of California, Berkeley

ARMESON, Robert Baird. Origins and effects of the National Service Law of December 5, 1916: a study of manpower policy in imperial Germany during World War I.

BUZANSKI, Peter Michael. Admiral Mark L. Bristol and Turkish-American relations, 1919-1922.

HENNINGS, Robert Edward. James D. Phelan and Wilson Progressives of California.

HYER, Paul V. Japan and the Lamaist world: Part I, Japanese relations with Tibet.

MCCOLLEY, Robert McNair. Gentlemen and slavery in Jefferson's Virginia.

MILLER, Louise Waite. Henry III of France and the revolt of the Netherlands to 1579.

NAFF, Thomas. Ottoman diplomacy and the great European powers, 1789-1802.

RAPPE, Marion Lloyd. The Austrian Christian social movement, 1885-1897.

ROOD, Harold William. Strategy out of silence: American military policy and the preparations for war, 1919-1940.

SHERIDAN, James Edward. The early career of Feng Yü-hsiang.

TRUMPENER, Ulrich. German relations with the Ottoman Empire, 1914-1915.

WICKBERG, Edgar Bernard. The Chinese in Philippine economy and society, 1850-1898.

University of California, Los Angeles

DANIELS, Roger. The politics of prejudice: the anti-Japanese movement in California and the struggle for Japanese exclusion.

GOSSETT, Edward Freeman. The American Protestant missionary endeavor in North Africa from its origins to 1939.

Clark University

McKEY, JR., Richard Haskayne. Elias Hasket Derby, Merchant of Salem, Massachusetts. 1739-1799.

MERRIAM, George Henry. Israel Williams, Monarch of Hampshire. 1709-1788.

University of Colorado

BAKER, JR., George William. The Caribbean policy of Woodrow Wilson, 1913-1917.

BARANY, George. The emergence of Szechenyi and Hungarian reform until 1841.

Columbia University

MAYO, Marlene June. The Iwakura embassy and the unequal treaties, 1871-1873.

WANK, Solomon. Aehrenthal and the policy of action.

WINES, Roger Andrew. The Franconian *Reichskreis* and the Holy Roman Empire in the War of the Spanish Succession.

Cornell University

BERKHOFER, JR., Robert Frederick. Protestant missionaries and the American Indians, 1787 to 1862.

DECKER, Leslie Edward. Railroads, lands, and politics: the taxation of the railroad land grants, 1864-1897.

KING, JR., William James. Measurement and natural philosophy: a study in the quantification of nature in the 17th century.

RATNER, Lorman Alfred. Northern opposition to the anti-slavery movement, 1831-1840.

SYPPER, George Wylie. La Popeliniere: historian and historiographer

Duke University

MORRISON, Joseph L. Josephus Daniels as 'Tar Heel Editor', 1894-1913.

PORTER, Earl Waters. A history of Trinity College, 1892-1924: foundations of Duke University.

Emory University

JONES, Bartlett Campbell. The debate over national prohibition 1920-1933.

TYRRELL, Joseph M. A history of the Estates of Poitou.

The University of Florida

CAVE, Alfred Alexander. The Jacksonian movement in American historiography.

DE BEDTS, Ralph Fortes. The New Deal's SEC.

LITTLE, George Ferguson Gold. Fazenda Cambuhy: a case history of social and economic development in the interior of Sao Paulo, Brazil.

MYATT, James Allen. William Randolph Hearst and the Progressive Era, 1900-1912.

TARR, Terence Stephen. Military intervention and civilian reaction in Chile, 1924-1936.

WAITE, Mariella Davidson. Political institutions in the trans-Appalachian West, 1770-1800.

Fordham University

TULEJA, Thaddeus. United States naval policy in the Pacific 1930-1941.

Georgetown University

DAVIDS, Leonard Robert. Forces governing diplomatic relations between Britain and Italy, 1930-1935.

DOWNS, Jacques M. The American community in Canton, 1784-1844.

MALONEY, Joan Marie. States rights theory in Massachusetts, 1850-1857.

O'BRIEN HANLEY, S.J., Rev. Thomas. The impact of the American Revolution on religion in Maryland: 1776-1800.

RODDY, JR., Edward G. The Catholic newspaper press and the quest for social justice, 1912-1920.

SMYTHE, S.J., Donald William. The early career of General John J. Pershing, 1860-1903.

University of Georgia

HYNDS, JR., Ernest C. Ante-bellum Athens and Clarke County, Georgia.

Harvard University

BEINFELD, Solon. Guizot, Metternich and the conservative entente, 1846-1848.

CLIFFORD, Nicholas Rowland. British policy in the Far East, 1937-1941.

COCHRAN, John Stephens. Henry Villard and Oregon's transportation development, 1863-1881.

IRIYE, Akira. American diplomacy and Sino-Japanese relations, 1926-1931.

JAHER, Frederic Cople. Doubters and dissenters: a study of cataclysmic thought in America, 1885-1918.

MITCHELL, Robert Allan. Kurt Eisner and the question of Soviet government in Bavaria, 1918-1919.

RINGER, Fritz Franz Klaus. The German universities and the crisis of learning, 1918-1932.

STANSKY, Peter David Lyman. The leadership of the Liberal Party 1894-1899.

THOMSON, JR., James Claude. Americans as reformers in Kuomintang China, 1928-1937.

University of Illinois

BIRN, Raymond Francis. Pierre Rousseau and the *Philosophes* of Bouillon.

BURNS, Richard Dean. Cordell Hull: a study in diplomacy—1933-1941.

ELKIN, Robert Edmund. The interactions between the Irish rebellion and English civil wars.

GOUTOR, Jacques Roger. Robespierre and the French historians.

HAAS, James Martin. The rise of the Bedfords, 1741-1757: a study in the politics of the reign of George II.

KING, Peter John. Utilitarian jurisprudence in America: the influence of Bentham and Austin on American legal thought in the nineteenth century.

NORTRUP, Jack Junior. Richard Yates: civil war governor of Illinois.

OCHS, George Milton. The Labor Party and constitutional reform for India.

PRINGLE, James Ward. The committee for compounding with delinquents 1643-1654: a study of parliamentary finance during the English civil wars.

REINHART, Helen Katherine. A political history of the Brazilian Regency, 1831-1840.

REUTER, Frank Theodore. Church and state in the American dependencies 1898-1904.

SAVAGE, Hugh James. Political independents of the Hoover era: the progressive insurgents of the senate.

SMITH, Wilda Maxine. Reactions of Kansas farmers to the New Deal farm program.

STONE, Ralph Allen. The irreconcilables and the fight against the League of Nations.

THOMPSON, William Robert. Illinois constitutions.

YATES, Stanley Martin. The commune in French historical writing.

Indiana University

BUCKLEY, Thomas Hugh. The United States and the Washington conference, 1921-22.

DAVIS, Calvin DeArmond. The United States and the first Hague peace conference.

DECKER, Robert James. Jason Lee, missionary to Oregon: a re-evaluation.

HAKOLA, John William. Samuel T. Hauser and the economic development of Montana.

HINCKLEY, JR., Charles Theodore. The Alaska labors of Sheldon Jackson, 1877-1890.

KILLIGREW, John William. The impact of the great depression on the army, 1929-36.

NORRIS, Parthenia Emily. The United States and Liberia: the slavery crisis, 1929-35.

RISSLER, Herbert John. Charles Warren Fairbanks: conservative Hoosier.

STAVROU, Theofanis George. The Russian Imperial Orthodox Palestine Society.

STEMEN, John Roger. The diplomacy of the immigration issue: a study in Japanese-American relations, 1894-1941.

State University of Iowa

BOECK, George Albert. An early Iowa community: aspects of economic, social and political development in Burlington, Iowa, 1833-1866.

WILSON, Harold Arnold. The imperial policy of Sir Robert Borden, 1911-1920: a study in the advancement of dominion status.

The Johns Hopkins University

ALBRECHT, JR., Frank McAdams. The new psychology in America: 1880-1895.

LINKER, Ronald Warren. Philip Pusey, Esquire: country gentleman 1799-1855.

University of Kansas

PLUMMER, Mark Allen. Governor Crawford: the political career of Samuel J. Crawford of Kansas.

University of Kentucky

HICKS, Walter Edmund. The 97th Bombardment Group, World War II.

Lehigh University

LOONEY, John Francis. The king's representative: Benning Wentworth, colonial governor, 1741-1767.

Louisiana State University

CARRIGAN, Jo Ann. The Saffron Scourge: a history of yellow fever in Louisiana 1796-1905.

University of Maryland

FREIWIRTH, Paul K. Germany and Austria-Hungary as allies, 1914-1916.

University of Michigan

BUGBEE, Bruce Willis. The early American law of intellectual property: the historical foundations of the United States patent and copyright systems.

CASSELLS, Alan. Mussolini's foreign policy: the first years, 1922-1924.

CHMAJ, Betty E. Hillstrom. The double attraction: a history of the national artistic will, 1890-1917.

CLARDY, Jesse. The philosophical ideas of Alexander N. Radishchev.

GORDON, Leonard. Formosa as an international prize in the nineteenth century.

LIEDEL, Donald Edward. The antislavery novel, 1836-1861.

MILLIGAN, John Drane. The federal freshwater navy and the opening of the Mississippi River: its organization, construction, and operations through the fall of Vicksburg.

MYERS, John Lytle. The agency system of the anti-slavery movement, 1832-1837, and its antecedents in other benevolent and reform societies.

ORR, William James. Anschluss: German-Austrian relations, 1933-1938.

SHIRIGIAN, John. Lucius Lyon: his place in Michigan history.

TORREY, Gordon Howard. Independent Syria, 1946-54.

Michigan State University

FELT, Thomas Edward. The rise of Mark Hanna.

University of Minnesota

GUTTMAN, Allen. The wound in the heart: American interpretations of and responses to the Spanish Civil War.

HAUGLAND, John Clarence. Alexander Ramsey and the Republican Party (1855-1875).

HEININGER, Joseph Francis. Prussian foreign policy during the New Era, 1858-1862.

LAWRANCE, Alan Harvey. The influence of British ideas in the British North American Revolution.

McAREE, James Gregory. The passage of the Government of India Bill of 1858.

RANUM, Orest Allen. The creatures of Richelieu: a study of the secretaries of state and superintendents of finance in the ministry of Richelieu, 1635-1642.

SCHOFIELD, Harold Allen. The government-inspired press during the Liberal Empire, 1860-1870.

University of Missouri

BOYER, Richard Edwin. English declarations of indulgence, 1687 and 1688, and the Revolution.

CAIN, Marvin Russell. Lincoln's Attorney General: Edward Bates and the conservative movement.

MERING, John Vollmer. The Whig Party in Missouri.

NORRIS, James Donald. The Maramec Iron Works 1826-1876: the history of a pioneer iron works in Missouri.

PAINTER, William Ernest. Baptista Mantuanus, Carmelite humanist.

The University of Nebraska

GERLACH, Don Ralph. Philip Schuyler: the origins of a conservative patriot, 1733-1777. A study in provincial politics and the American Revolution in New York.

STONE, James A. Agrarian ideology and the farm problem in Nebraska state politics with special reference to northeast Nebraska, 1920-1933.

The University of New Mexico

LARSON, Robert Walter. Statehood for New Mexico, 1889-1912.

New York University

ADELSON, Judah. The Vermont press and the French Revolution, 1789-1799.

MOUTAFAKIS, George James. The British colonial policy and administration of the British West African settlements, 1866-1888.

SOLNICK, Bruce B. American opinion concerning the Spanish American wars of independence, 1808-1824.

The University of North Carolina

GASTON, Paul Morton. The new South creed, 1865-1900.

GIBSON, George Horner. The development of federal policy toward noncommercial educational broadcasting.

LEE, JR., Charles Robert. The Confederate constitutions.

PASCHAL, Herbert Richard. Proprietary North Carolina: a study in colonial government.

STEEPLES, Douglas W. Five troubled years: a history of the depression of 1893-1897.

THOMPSON, James Howard. Great Britain and the World Disarmament Conference, 1932-34.

Northwestern University

FINDLAY, JR., James Franklin. Dwight L. Moody, evangelist of the Gilded age: 1837-1899.

MATRÉ, Richard Anthony. The Chicago press and imperialism, 1889-1902.

The Ohio State University

BRADOW, Charles King. The career and confession of Cyril Loukaris: the Greek Orthodox Church and its relations with western Christians (1543-1638).

CONLEY, Michael Charles. Edward Douwes Dekker and the Dutch dispute on colonial policy.

SOFCHALK, Donald Gene. The little steel strike of 1937.

VAUGHN, William Preston. The sectional conflict in southern public education: 1865-1876.

University of Oregon

NASH, Lee M. Refining a frontier: the cultural interests and activities of Harvey W. Scott.

RUETTEN, Richard T. Burton K. Wheeler of Montana: a progressive between the wars.

University of Pennsylvania

CLEMMER, Robert Rugh. Enlightenment church history in the United States 1800-1850.

DRAYER, Robert Edward. J. Hampton Moore: an old fashioned Republican.

FRANTZ, John Brenneman. Revivalism in the German Reformed Church in America to 1850 with emphasis on the Eastern synod.

GARDNER, John Berdan. The image of the Chinese in the United States, 1885-1915.

HARDY, JR., James Daniel. The Parlement of Paris during the Regency 1715-1723.

SHELTON, William George. Sir James Hudson and the unification of Italy, 1858-1861.

SHIELDS, Robert Alexander. The quest for empire unity. The imperial federationists and their cause, 1869-1893.

Princeton University

BAYLEY, David Hume. Violent agitation and the democratic process in India.

FERGUSON, J. Wilson. The personal reign of James V, King of Scots 1528-1542.

JANOS, Andrew Csaba. Hungary: 1867-1939. A study of social change and the political process.

KLINE, Earl Oliver. The Suez crisis: Anglo-American relations and the United Nations.

LANDEN, Robert Geran. Modernization and imperialism in Oman in the late nineteenth century.

LIMOLI, Donald Albert. F. Crispi, a study in Italian foreign policy.

SHAMIR, Shimon. The 'Azm Walis of Syria (1724-1785).

YANEY, George Levings. The imperial Russian government and the Stolypin land reform.

Radcliffe College

HELLY, Dorothy Oxman. British attitudes towards tropical Africa: 1860-1890.

KAYSER, Christine Roma. Calvinism and German political life.

St. John's University

BENINCASA, Frederick Albert. An analysis of the historical development of the Tennessee Valley Authority from 1933 to 1961.

CAVAIOLI, Frank John. West Point and the presidency.

EID, S.M., Brother Leroy Victor. Lincoln and the coming of the Civil War.

LONG, F.M.S., Brother Ronald Bernard. The role of American diplomats in the fall of China, 1941-1949.

O'HARE, Brother Aloysius. The birth of the Sudanese Republic.

St. Louis University

HEALY, O.F.M., Reverend Valentine John. John Morley, interpreter of the French Enlightenment.

OARD, Ronald Joseph. Bancroft and Hildreth: a critical evaluation.

POOLE, C.M., Reverend Richard Stafford. The Indian problem in the Third Provincial Council of Mexico (1585).

University of Southern California

CONDON, Mary Dorothea. The demand for restricted tenure of land in Ireland: 1820-1835.

FIELDING, Raymond Edwin. A history of the American motion picture newsreel.

LIVINGSTON-LITTLE, Dallas Eugene. An economic history of north Idaho from 1800 to 1900.

SANDERSON, Richard Arlo. A historical study of the development of American motion picture content and techniques prior to 1904.

Stanford University

BERUTTI, John Morris. Italo-American diplomatic relations, 1922-28.

BRIDGMAN, Jon Marshall. The origins of the military dictatorship of Hinderburg and Ludendorff.

CRAMER, Richard Seldon. The British magazines and the United States, 1815-48.

CROMWELL, Richard Sidney. The Free Democratic Party in German politics 1945-1956: a historical study of a contemporary liberal party.

DUIGNAN, Peter James. Native policy in Southern Rhodesia, 1890-1923.

FOLLIS, Clifton Gene. The Austrian Social Democratic Party, June 1914-November 1918.

GROSSER, Edward Morton. The discovery of Neptune.

HOUSEMAN, Philip Joseph. Chilean nationalism, 1920-1952.

NAHM, Andrew Changwoo. Kim Ok-Kyun and the Korean Progressive Movement, 1882-1884.

Syracuse University

HAND, Samuel B. Samuel I. Rosenman: his public career.

ROSENBAUM, Kurt. The Brockdorff-Rantzau period: German-Russian diplomatic relations, 1922-1928.

SKINNER, Albert Trahern. A history of Auburn Community College during its founding period, 1953-1959.

The University of Texas

EVANS, Samuel Lee. Texas agriculture, 1880-1930.

HALE, JR., Douglas Denton. The early career of Heinrich von Gagern 1799-1836.

ISAAC, Paul Edward. Prohibition and politics in Tennessee, 1885-1920.

WHITTEN, JR., Dolphus. The state delegations in the Philadelphia convention of 1787.

Texas Technological College

BRUNSON, Billy Ray. The Texas Land and Development Company.

MCMILLAN, Edward Lee. Texas and the Eisenhower campaigns.

Tulane University

KMEN, Henry Arnold. Singing and dancing in New Orleans—a social history of the birth and growth of balls and opera, 1791-1841.

NIEHAUS, Earl Francis. The Irish in New Orleans, 1803-1862.

SOULÉ, Leon Cyprian. The know nothing party in New Orleans: a reappraisal.

Vanderbilt University

DROZE, Wilmon Henry. Tennessee River navigation: government and private enterprise since 1932.

SPAIN, Rufus Buin. Attitudes and reactions of southern Baptists to certain problems of society, 1865-1900.

University of Virginia

CHEEK, III, William Francis. Forgotten prophet: the life of John Mercer Langston.

COYNER, JR., Martin Boyd. John Hartwell Cocke of Bremon. Agriculture and slavery in the ante-bellum South.

HENDRICKS, JR., James Edwin. Charles Thomson and the American Enlightenment.

LARSEN, William Edward. Governor Andrew Jackson Montague of Virginia, 1862-1937: the making of a Southern Progressive.

MOORE, John Hammond. America looks at Turkey, 1876-1909.

Washington State University

ANDERSON, Samuel Kingdon. A history of labor in the Inland Empire during the early frontier period.

Wayne State University

MICKEL, Ronald Eldon. Patterns of agrarian self-consciousness in the 1920's.

Western Reserve University

BECK, Kathryn Jane. The early career of the fifth Duke of Newcastle, 1833-1852.

HARPER, Alan David. Reconstruction and the historians. The making of a myth.

JACOB, Emerson Donald. Disraeli's social reforms, 1874-1880.

The University of Wisconsin

BARBER, William DeArmond. The West in national politics 1784-1804.

CHAMPAGNE, Roger James. The Sons of Liberty and the aristocracy in New York politics.

CONNER, George. Basil Lanneau Gildersleeve, scholar and humanist 1831-1924.

CONNOR, James Richard. Pen and sword. World War I novels in America 1916-1941.

DONOVAN, Margaret Mary. The role of Russian religious thought in the writings of Nicolas Aleksandrovich Berdiaev, 1874-1948.

DRESCHER, Seymour Irving. Alexis de Tocqueville and England.

FISHMAN, Sterling. Prophets, poets and priests: a study of the men and ideas that made the Munich Revolution of 1918/1919.

HAWKS, Graham Parker. Increase A. Lapham, Wisconsin's first scientist.

HEALY, David Frank. The formation of America's Cuban policy 1898-1902.

KREUTER, Gretchen von Loewe. The American discussion of genius in the nineteenth and twentieth centuries.

LASS, William Edward. A history of steam-boating on the upper Missouri River.

MAHAN, Rev. Terrance Leon. Virginia reaction to British policy 1763-1776.

MCCORMICK, Thomas Joseph. "A Fair Field and No Favor" American China policy during the McKinley administrations 1897-1901.

McKEE, William Finley. The social gospel and the new social order 1919-1929.

SWIDLER, Leonard Joseph. The history of the UNA Sancta movement in Germany.

VIGNERY, John Robert. Jacobin educational theories and policies in the French National Convention 1792-1794.

Yale University

CAMPBELL, John Pollock. Republican leadership and international arbitration 1910-1913.

COLWELL, James Lee. The American experience in Berlin during the Weimar Republic.

DE PILLIS, Mario. The development of Mormon communitarianism, 1826-1846.

ELDOT, Paula. Alfred Emanuel Smith, reforming governor.

MIDDLEKAUFF, Robert Lawrence. Ancients and axioms: a history of secondary education in eighteenth century New England.

SCHLESINGER, Mildred Saks. The French radical party: its organization and parliamentary politics, 1914-1932.

SMITH, Gaddis. Nation and empire: Canadian diplomacy during the First World War.

TEMPERLEY, Howard Reed. The British and Foreign Anti-Slavery Society, 1839-1868.

WICKWIRE, Franklin Bacon. Minor men and major policy: a study of the influence of the British departmental secretaries on government policy toward America, 1763-1783.

WILENSKY, Norman Marvin. The Republican Old Guard during insurgency: 1908-1912.

HOME ECONOMICS

University of Chicago

NEWSOM, Shirley. Assessment of foster mother-child relationship by brief playroom observations.

Cornell University

GAGE, Marie Geraldine. The work load and its value for 50 homemakers, Tompkins County, New York.

The Florida State University

POWELL, Kathryn Summers. Maternal employment in relation to family life.

RAPP, Don W. Child rearing attitudes of mothers in Germany and in the United States.

Iowa State University of Science and Technology

KOHLMAN, Eleanore Louise. Development of an instrument to determine values of homemakers.

LANGFORD, Florence. Influence of age and body weight on energy expenditure of women during controlled physical activity.

University of Minnesota

SMITH, Betty Faye. Determination of cellulose in textile fibers.

New York University

OPPENHEIM, Irene Gartner. A study of the consumer role of a sample of young adolescent girls in grades seven, eight and nine in Irvington, New Jersey.

The Ohio State University

FRIESEN, Maria Selma. The influence of the early culture of New Mexico on the contemporary fashions of that area.

INSELBERG, Raquel Marzan. Social and psychological factors associated with high-school marriages.

MARSHALL, Nancy Jane. Calcium and phosphorus excretions of nine college women consuming normal food and semisynthetic diets.

MOORE, Miriam Brown. An analysis of values held by two groups of marriage and family life educators as indicated by their reactions to a selected number of controversial issues.

PFEIFFER, Marie Stoll. Social and psychological variables associated with early college marriages.

SINGER, Mary Edna. Energy expenditure and its relationship to working heights, space, and methods of work in the performance of a household task.

TROTTER, Virginia Yapp. A comparison of the laboratory and the lecture demonstration methods of teaching survey of food preparation for freshman home economics students at the University of Vermont.

WILSON, Margaret Ann. Construction of a problem check list for hospital dietetic interns.

Oklahoma State University

NYGREN, Maie Anabel. The housing images of selected freshman and senior secondary school students in certain communities in Oklahoma.

The Pennsylvania State University

BARTOW, Josephine Alice Rusher. Family size as related to child-rearing practices.

BUCHANAN, Helen Eidson. Communication and marital interaction: an exploratory study.

HOBBS, JR., Daniel Franklin. The relation between role-standpoint and level of marital adjustment.

KILPATRICK, Julia. The Q-sort: an evaluation of its effectiveness in assessing certain aspects of self-discipline among high school girls.

KIRKSEY, Avanelle. Effects of dietary sodium levels upon maternal responses of pyridoxine- and deoxypyridoxine-fed pregnant rats.

LAPITSKY, Mary. Clothing values and their relation to general values and to social security and insecurity.

The University of Tennessee

SPITZE, Hazel T. The relation between selected women's knowledge and use of consumer credit: a basis for adult education program planning.

Texas Woman's University

BRAKEBILL, Sue Ellen. A study of the relationship between the molecular weight of a dye and its dyeing behavior when applied to Texas cottons of various micronaire levels.

BROOME, Esther Roberts. A study of cotton, cotton-dacron blends and dacron wash-and-wear fabrics purchased on the retail market.

MERKLEY, Margaret B. Effects on an improved dietary regimen on the nutritional status of geriatric subjects in a state home.

SPENCER, Ruth Glover. An analysis and evaluation of home economics education in selected colleges and universities in seventeen southern and southwestern states.

The University of Wisconsin

BALDWIN, Ruth Elizabeth. A study of flavor and aroma of three species of fish taken from different fresh water sources.

MUDAMBI, Sumati Rajagopal. Effect of sulfite treatment on the quality of potatoes.

JOURNALISM

University of Illinois

GENTRY, Richard Homer. Liberalism and the *New Republic*: 1914-1960.

State University of Iowa

DAWSON, Horace Greeley. Original and changed attitudes, impressions, and preconceptions, as related to the mass media experiences of new foreign students at the State University of Iowa.

VOGEL, Joe Bill. Ethical codes and courts of honor in the press of the free world.

Michigan State University

MCNELLY, John Taylor. Meaning intensity as related to readership of foreign news.

University of Minnesota

HACHTEN, William Andrews. The metropolitan Sunday newspaper in the United States: a study of trends in content and practices.

MUSGRAVE, Arthur Benson. The excessive-time problem in college student journalism.

University of Missouri

SCROGGINS, JR., Albert Taylor. Nathaniel Patten, Jr., and the *Missouri Intelligencer* and *Boon's Lick Advertiser*.

New York University

FREED, Paul Ernest. A study of the extent to which the indicated objectives of American-produced religious radio programs prepared for broadcasting to Europe would be achieved according to French, German, and Spanish religious leaders.

FREY, George Frederick. A content analysis of television commercials to determine the relationship between certain characteristics and recall scores.

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SMITH, Elton Edward. The two voices: a Tennyson study.

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VAN HAITSMAN, Glenn Allyn. Coleridge and the ideoes of culture.

The University of Tennessee

WARREN, John William. Walter Savage Landor's views on English life and literature: a critical study of his English *Imaginary Conversations*.

The University of Texas

BRANTLEY, John David. The fiction of John Dos Passos.

CONRAD, Joseph Lawrence. Study of the Germanic languages in the Soviet Union (1934-1960).

FRANCIS, Nelle Trew. The critical reception of Arnold's poetry: the religious issue.

GRAGG, Perry Earl. The revelation of consciousness: the psychology of William James and five novels of Henry James.

JARRARD, Norman Eugene. Poems by Herman Melville: a critical edition of the published verse.

MALIN, Jane Wofford. Surrealism in the French theatre between two wars.

OBERDOERFFER, Marianne. Contemporary Mexican theater, 1923-1959.

PARKER, Dorothy Elizabeth Hagman. Gerard Manley Hopkins and the critics.

THORNTON, Weldon Elijah. Some uses of allusions in James Joyce's "Ulysses".

Tulane University

ESSLINGER, Pat Moore. The dublin *Materia Poetica* of Sean O'Casey.

Vanderbilt University

TUCKER, Houston Clay. George Eliot's ideal self: a study of subjective influences on her prose fiction.

University of Virginia

BRUCCOLI, Matthew Joseph. The composition of F. Scott Fitzgerald's *Tender is the Night*. A study based on the manuscripts.

McNALLY, JR., James Joseph. The political thought of Robert Browning.

Washington University

COHN, Ruby Haykin. Samuel Beckett: the comic gamut.

CUMMINGS, Laurence Anthony. John Finet's miscellany.

LOEB, Ernst. Die Symbolik des Wasserzyklus bei Goethe.

TAYLOR, Myron Wilfred. Two analogies for poetry in the seventeenth century.

University of Washington

GREEN, John Aldren. The literary career of Marcel Schwob, 1867-1905.

LAWRENCE, Oliver Clare. Thomas Wolfe: from individual to man-swarm.

NEWBERRY, Wilma Jean. The dramatic technique of Manuel and Antonio Machado.

Western Reserve University

MCKENZIE, George Joseph. Aspects of anguish in the novels of Georges Bernanos.

STURM, Norbert Aloysius. Judgment day in eighteenth-century poetry.

The University of Wisconsin

BIRKENMEYER, Sigmund Stanley. N. A. Nekrasov, a poet in an age of prose.

BRAUN, Ernst. Symbol and portent in Theodor Fontane.

CADBURY, III, William E. Varieties of form in the novels of Anthony Trollope.

COANDA, Richard Joseph. Hawthorne, on the imagination.

DEWSNAP, Terence Francis. T. Sturge Moore's theory of poetic self.

DOEBLER, John. Francis Beaumont's *The Knight of the Burning Pestle*.

GEITZ, JR., Henry. Grillparzer's turn to the historical drama: *König Ottokars Glück und Ende*.

GLANDER, Philip Fredric. K. A. Varnhagen Von Ense: man of letters.

HARRIS, Wendell V. Transitional short fiction in England during the 1890's.

KRONIK, John William. The short stories of Leopoldo Alas (Clarín): an analysis and census of the characters.

LABOR, Earle Gene. Jack London's literary artistry: a study of his imagery and symbols in relation to his themes.

LEAVITT, Charles Loyal. Hawthorne's use of pageantry.

LENNIG, Arthur George. An analysis of *The Cantos* of Ezra Pound.

MUSTE, John Martin. The Spanish Civil War in the literature of the United States and Great Britain.

OLSTAD, Charles Fredrick. The novels of Ramon Sender: moral concepts in development.

PETERSON, Carl Adrian. The poetry and painting of Dante Gabriel Rossetti.

PIANCA, Alvin Hugo. A critical and annotated edition of Lope de Vega's "Don Lope de Cardona."

SANDBERG, Karl Christian. Faith and reason in the thought of Pierre Bayle before the publication of the *Dictionnaire Historique et Critique* (1697).

SHEAR, Walter Lewis. Thoreau's imagery and symbolism.

Yale University

CARL, Johanna. The younger German novelists: a critique of works written during the first postwar decade 1945-55.

DERUS, David Lee. The literary theory and practice of G. K. Chesterton.

LAWALL, Sarah Nesbit. Recent French existential criticism: "la critique de la conscience."

LITTLEFIELD, David Joseph. The polemic art of Sir Roger l'Estrange: a study of his political writings, 1659-1688.

MOLONEY, Marguerite. Nature and the "morbid eye" in Tennyson's poetry.

REED, JR., Joseph Wayne. English biography in the early nineteenth century, 1801-1838.

SHLONSKY, Tuvia. Modes of the modern short novel.

LAW

Boston University

VEZEAU, Sister Mary Jeanne Ita. A study of legal terminology pertinent to the educational preparation of the legal secretary.

University of California, Berkeley

JOHNSTON, Larry Dean. A study of judicial review in Australia.

MACCALLUM, JR., Gerald Cushing. Judicial review by the United State Supreme Court: an analysis of some controversies in accounts of a judicial activity.

Columbia University

SNEED, JR., Earl. Stockholder votes in adverse interest. Part I: The stockholder may vote as he pleases: theory and fact. Part II: Stockholder votes motivated by adverse interest—the attack and the defense. Part III: The factors affecting the validity of stockholder votes in adverse interest. [Reprinted from *University of Pittsburgh Law Review*, Vol. 22, Oct. 1960, pp. 23-54. *Michigan Law Review*, Vol. 58, No. 7, May 1960, pp. 961-988. *Oklahoma Law Review*, Vol. 13, No. 4, Nov. 1960. pp. 373-407.]

Harvard University

CHOI, Woonsang. The legal regulation of employment relations within international organizations.

GALVIN, Charles O'Neill. Legal institutional aspects of interests in oil and gas.

HUGHES, Kenneth Burdette. Massachusetts practice—evidence.

RITZ, Wilfred Julius. The original understanding of conflicts, crimes, diversity and the constitution.

WITHERSPOON, Joseph Parker. Administrative discretion to determine statutory meaning.

University of Illinois

PORTER, Maurice Graham. Portrait of a prairie lawyer: Clifton H. Moore, 1851-1861 and 1870-1880. A comparative study.

WALENTA, Thomas Rex. Improving the marketability of land titles through legislative reform with emphasis on the Idaho code.

New York University

LEWIS, Willard Adolph. The extent of judicial enlargement of labor dispute disqualification concepts in state unemployment compensation laws: a study in statutory construction with special emphasis upon the impact on managerial decision-making in the areas of personnel and labor relations.

NIHAN, James Fredrick. A study of state laws and state education department regulations for safety education in the public schools of the United States.

Yale University

CHAFFIN, Verner Franklin. The transmission of wealth and dead hand control: gifts for community purposes and restraints on human behavior.

HASAN, Syed Misbahul. Apportionment of economic risks through legal devices and the relevance of insurance: legal technicality v. economic reality.

JHONG, Chun Pyo. State immunity in civil proceedings instituted in foreign courts.

VLASIC, Ivan Albert. Studies in the law of outer space.

LIBRARY SCIENCE

University of California, Berkeley

MORRISON, Perry David. The career of the academic librarian: a study of the social origins, educational attainments, vocational experience, and personality characteristics of a group of American academic librarians.

University of Chicago

EL-SHENITI, El-Sayed Mahmoud. The university library and the scholar: a study of the recorded faculty use of a large university library.

Columbia University

HOAGE, A. Annette Lewis. The Library of Congress classification in the United States: a survey of opinions and practices, with attention to problems of structure and application.

KITTLE, Arthur Thomas. Management theories in public library administration in the United States, 1925-1955.

University of Illinois

BOLL, John Jorg. Library architecture 1800-1875; a comparison of theory and buildings with emphasis on New England college libraries.

BUNDY, Mary Lee. The attitudes and opinions of farm families in Illinois toward matters related to rural library development.

FORREST, JR., Earl Arwin. A history and evaluation of English historical annuals for 1701-1720 and 1739-1743.

HOLLEY, Edward Gailon. Charles Evans: American bibliographer.

University of Michigan

BEDSOLE, Danny Travis. Library systems in large industrial corporations.

ENNEN, Robert Campion. The *Gradus ad Parnassum*.

HAGLER, Ronald Albert. The selection and acquisition of books in six Ontario public libraries in relation to the Canadian publishing system.

KILPELA, Raymond Earl Oliver. A comparative study of library legislation in Indiana, Michigan, and Ohio.

LOUTTIT, Richard Talcott. Effect of phenylalanine and marplan feeding on brain serotonin and learning behavior in the rat.

WASSERMAN, Paul. Toward a methodology for the formulation of objectives in public libraries: an empirical analysis.

New York University

GELFAND, Morris Arthur. A historical study of the evaluation of libraries in higher institutions by the Middle States Association of Colleges and Secondary Schools.

Rutgers University

- EL-HAGRASY, Saad Mohammed. The teacher's role in library service: an investigation and its devices.
- HINES, Theodore Christian. The collectanea as a bibliographical tool.
- STEVENS, Norman Dennison. A comparative study of three systems of information retrieval.

The University of Texas

- DENUM, Donald David. A system of data banking and retrieval for educational research.

MATHEMATICS

Auburn University

- ANDREWS, Newton Steele. Orthogonal harmonic homogeneous polynomials in three variables.
- GILBERT, Jimmie Dale. On subdirect products.
- LOCKER, John Lambert. A statistical analysis of the propagation of rounding errors.
- STEWART, Robert Franklin. Continuity and uncertainty of interpolating rational functions.
- WEBSTER, Porter Grigsby. Determination of the convergence of LaGrange interpolation by Runge's method.

Boston University

- FISHMAN, Robert Sumner. The integral as an average on a group of translations in a subinvariant measure space.
- JOHN, Chelikuzhiel Thomas. Spherical bearing under axial and radial loading.
- TEWARSON, Reginald Prabhakar. Solution of a generalized diffusion equation by difference methods.

The University of Buffalo

- BEDNAREK, Alexander Robert. On the Mickle-Rado theorems and binary relations.
- MONTZINGO, JR., Lloyd J. Convergence of distribution functions in a parameter space.

University of California, Berkeley

- ASWAD, Alfred George. Some statistical problems arising in a certification procedure. Part I: Estimation of the density of a material with irregular surfaces. Part II: Economic sample size.
- BIRCH, John Joseph. Approximations for the entropy for functions of Markov chains.

- BULEY, Ernest Robert. Differentiability of solutions of certain types of variational problems.

- CHAKERIAN, Gulbank Donald. Integral geometry in the minkowski plane.

- DAVIS, Morton David. Infinite games with perfect information.

- FELDMAN, Dorian. Contributions to the "two-armed bandit" problem.

- FORELLI, JR., Frank John. Marcel Riesz's theorem on conjugate functions.

- HOOKE, William Weston. Lower bounds for the first eigenvalue of elliptic equations of orders two and four.

- JAMISON, Benton Niles. On the ergodic theory of Markov operators.

- KEISLER, H. Jerome. Ultraproducts and elementary classes.

- KLOTZ, Jerome Hamilton. Nonparametric tests for scale.

- MARICA, John Glen. Almost periodic surfaces.

- MONK, James Donald. Studies in cylindric algebra.

- ODEH, Farouk Mohamad Saleh. Uniqueness theorems under the radiation condition.

- OGAWA, Hajimu. On difference methods for the solution of partial differential equations of mixed type.

- OSTBERG, Donald Ross. Cohomology of groups and simple algebras.

- PIXLEY, Alden French. Clusters of algebras: identities and structure lattices.

- SCHWARTZ, Lorraine. Consistency of Bayes' procedures.

- SUMMERS, John Willis. On kan fibre spaces.

- WEIDLICH, JR., John Edward. The asymptotic behaviour of the real solutions of certain first order non-linear differential systems.

- WELLS, Mark Brimhall. Simplification of normal form expressions for Boolean functions of many variables.

- WILSON, Atholl Livingstone. An approach to n-person games.

University of California, Los Angeles

- BROWN, Robert Randolph. Solution of boundary-value problems using non-uniform grids.

- CANTOR, David Geoffrey. On sets of algebraic integers whose remaining conjugates lie in the unit circle.

- CAYFORD, Afton H. A class of integer valued entire functions.

- CHEEMA, Mohindar S. On vector partitions and permutation vectors.

- FRAENKEL, Aviezri S. Rational approximations to algebraic numbers.

- GINDLER, Herbert A. Some properties of operator spectra.

- JENNIRICH, Robert Irving. Analysis of variance in the general mixed model.†

- LAWSON, Charles L. Contributions to the theory of linear least maximum approximation.

- MCCARTHY, JR., George Shultz. Homotopy groups.

- MORRISON, David D. Errors in the solution of eigenvalue problems by finite difference methods.

- RODIN, Burton. Reproducing formulas on Riemann surfaces.

- SAGLE, Arthur A. Malcev algebras.

California Institute of Technology

- CHILDRESS, William Stephen. Asymptotic expansion of Navier-Stokes solutions in three dimensions for large distances.

- CRAWLEY, Peter Linton. A decomposition theory for lattices without chain conditions.

- KEVORKIAN, Jirair Kevork. The uniformly valid asymptotic approximations to the solutions of certain non-linear ordinary differential equations.

- LOCK, Malcolm Harvey. A study of two-dimensional panel flutter.

- RUMSEY, JR., Howard Calvin. Sets of visible points.

- STEARMAN, Ronald Oran. Stability of a membrane in a subsonic flow and a grid of panels in a supersonic flow.

Carnegie Institute of Technology

- DAS, Krishna Mohan. Singularity-free and zero-free regions of solutions of nonlinear second-order differential equations in the complex field.

- SREEDHARAN, V. P. Solutions of partial differential equations by function theoretic methods.

Case Institute of Technology

- CHAMBERS, John Carlton. On the theory of minimum cost information-collection systems.

- CONWAY, Melvin Edward. A set-theoretic model for logical systems.

- LUBARSKY, Bernard. Generalized functions and the fundamental solutions for polyharmonic difference operators.

- PEACH, Paul. Some results on queuing and vulnerability relevant to aircraft maintenance.

- REINITZ, Rudolf Nicolas Cadok. An integrated job shop sequencing problem.

- RUTENBERG, Yechezkel Henryk. Sequential decision models.

- SASIENI, Maurice Wolf. Some problems in the analysis of queuing systems.

- SUMMERS, George William. Financing and initial operations of new firms.

- YASPAN, Arthur Joel. The inventory problem with periodic reorder.

The Catholic University of America

WHITMAN, Andrew P. Invariant connections in principal fiber bundles over locally homogeneous spaces.

University of Chicago

BERKSON, Earl R. I. Generalized diagonal operators. II. Some metrics on the subspaces of a Banach space.

MACRAE, Robert Eugene. Homological dimension of ideals in noetherian rings.

O'NEIL, Richard Charles. Fractional integration and Orlicz spaces.

OSTROW, Efrem H. A theory of generalized Hilbert transforms.

PETRIDIS, Nicholas Constantine. Quasiconformal mappings and pseudomeromorphic curves.

SZCZARBA, Robert. The homology of twisted Cartesian products.

University of Cincinnati

JONES, JR., Grover Stephen. Asymptotic behavior and periodic solutions of a nonlinear differential-difference equation.

LARKIN, III, William James. On the first-order homogeneous bilinear algebraic differential equation.

WEITKAMP, Harvey Meredith. The equation $X^n + Y^n + Z^n = 0$.

University of Colorado

BARDWELL, George Eldred. Certain discrete distributions.

DUQUETTE, Alfred Lorenzo. The analogue of the Pisot-Vijayaraghavan numbers in fields of formal power series.

LANGE, Leo Jerome. Divergence, convergence, and speed of convergence of continued fractions $1 + K(a_n/1)$.

Columbia University

BERENSON, Lewis Jay. The adaptation of high school mathematics to mass education: 1915-1925.

BERMAN, Simeon M. Limiting distribution of the maximum term in sequences of dependent random variables.

CHAMBERLAIN, Erling William. Families of principal solutions of ordinary differential equations.

CLIFTON, Yeaton Hopley. Completely integrable systems of flat pfaffian equations.

COOLEY, James William. Some computational methods for the study of diatomic molecules.

FLEHINGER, Betty J. A general model for the reliability analysis of systems under various preventive maintenance policies.

JARVIS, JR., Stephen. Apparent wall shapes in linearized viscous shear flows.

JONES, Wendell Lyons. On conjugate functionals.

MERTZ, Robert Theodore. On the continuation of solutions of a linear ordinary differential equation with polynomial coefficients.

NEY, Peter E. Some contributions to the theory of cascades.

PETRYSHYN, Walter Volodymyr. Direct and iterative methods for the solution of linear operator equations in Hilbert space.

TICK, Leo Joseph. Contributions to the theory and application of stationary random processes in fluid mechanics. A. Estimation of the spectral density of an isotropic process. B. A non-linear random model of gravity water waves.

VENKATARAMAN, Lakshmi. Probabilistic investigation of a single server queueing process with Poissonian input and batch service.

Cornell University

KOTZ, Samuel. Exponential bounds for the probability of error in discrete memoryless channels.

LEE, Shing-Meng. On a two-parameter family of summation methods.

RUSHFORTH, Norman Burleigh. A comparison of sample correlation matrices and a multivariate analysis of job concepts of selected industrial executive groups.

SACKS, Gerald Enoch. On suborderings of degrees of recursive unsolvability.

Duke University

LOWENGRUB, Morton. Stress in the vicinity of a crack in a thick elastic plate.

SAADALDIN, Mohammed Jawad. A generalized lebesgue covering theorem.

WILLIAMS, Leland Hendry. Extended algebra of polynomials in several variables for a digital computer.

The University of Florida

CUNDIFF, Joyce Coleman. Confluent cases of second order linear differential equations with four singular points.

FURMAN, Walter Laurie. Mathematical research in Latin American universities.

HARE, JR., William Ray. Projective convexity.

HUTCHESON, Paul Henry. The use of complex variables for solving certain elasticity problems involving intersecting boundaries.

KENNELLY, JR., John Willis. An involution of period seventeen.

MEUX, John Wesley. Orthogonal polynomial solutions of a class of fourth order linear differential equations.

TILLEY, John Leonard. Stress distribution of a rotating limaçon.

Harvard University

BENTON, Edward Rowell. Aerodynamic origin of the Magnus effect of a finned missile.

COHN, James Alan. Some results in the cohomology theory of finite groups.

COHN, Martin. Switching function canonical forms over integer fields.

EDWARDS, JR., Harold Mortimer. Applications of intersection theory to boundary value problems.

FALB, Peter Lawrence. On differentials in function fields.

HO, Yu-Chi. A study of the optimal control of dynamic systems.

HOLLAND, JR., Samuel Shaheen. The Radon-Nikodym theorem in dimension lattices.

LEIBOWITZ, Martin Albert. A rigorous derivation of Fermi age theory.

LINCOLN, Andrew James. Magnetic devices in sampled analog systems.

MILLER, Robert Gerard. An application of multiple discriminant analysis to the probabilistic prediction of meteorological conditions affecting operational decisions.

NEUMANN, Peter Gabriel. Efficient error-limiting variable-length codes.

OGG, Andrew Pollard. Cohomology of Abelian varieties over function fields.

SEIGEL, Daniel Gerald. Analysis of withdrawal bias in a cohort study.

SHERRY, Murray Elliot. Syntactic analysis in automatic translation.

WILLIAMS, Vincent Cassell. On conformal maps of regions of infinite connectivity.

University of Illinois

CHANNAPRAGADA, Satyanarayan Rao. Singular integral equations with an infinity of intersecting arcs.

FRANDSEN, Henry. On metabelian groups of order p^{10} with five generators.

GILLILAN, James Horace. Generalized set functions.

KOCH, Charles Frederick. Density theorems in the product space of two abstract measure spaces.

KRUEGER, Charles Gordon. Baire classes in a Denjoy-Trjitzinsky measure space.

LEVY, Lawrence Sherwin. Unique subdirect sums of rings.

PAUL, Eralil Matthew. Density in the light of probability theory.

POXON, Nancy Jim Moody. Representations of functions in terms of logarithmic potentials.

Illinois Institute of Technology

ALBERTI, Furio. Ordinal invariants of quadratic forms over a quadratic field.

WHITEMAN, Russell A. Concerning certain classes of analytic functions and the Hadamard product.

Indiana University

BORELLI, Mario. Residual varieties.

HACHIGIAN, Jack. Some further results on functions of Markov processes.

NANDA, Jagdish Lall. Einstein's connections degenerate cases of the first class.

PAOLUCCI, Dominic Anthony. The effects of higher order viscosity terms on fluid flow.

SANWAL, Jadish Chandra. On locally affine spaces.

TROYER, Robert James. Multilinear algebra in Abelian categories.

State University of Iowa

HICKMAN, James Charles. On random sets, derived from a subsample, for statistics based on the entire sample.

PETRO, John William. Some results in the theory of pseudo-valuations.

RATLIFF, JR., Louis Jackson. Affine rings over rank two regular local rings.
Iowa State University of Science and Technology

ADDELMAN, Sidney. Fractional factorial plans.

JAMES, Donald D. Periodic integral surfaces for periodic systems of differential equations.

LARSON, Harold Joseph. Sequential model building for prediction in regression analysis.

McCULLOUGH, Roger Stewart. Testing equality of means under variance heterogeneity.

NIETO DE PASCUAL, Jose. Theory of minimum variance estimation with applications.

RAO, Jonnagadda Nalini Kanth. Sampling procedures involving unequal probability selection.

THROCKMORTON, Thomas Neil. Structures of classification data.

The Johns Hopkins University

McQUILLAN, Donald Laurence. A generalization of a theorem of Hecke.

University of Kansas

BILYEU, Russell Gene. Perturbation of an autonomous differential equation with a parameter.

GAUGHAN, Edward D. Generalized derivatives.

University of Kentucky

DETWILER, Betty Charles. A variational method for functions convex in the direction of the imaginary axis and related functions.

SLEDD, William Tazwell. Some properties of karamata summability matrices.

SPRAGUE, Richard Howard. Second variations of analytic functions.

Lehigh University

OGLESBY, Francis Clyde. An examination of a decision procedure.

Louisiana State University

DARST, Richard Brian. On measures and measurability.

University of Maryland

BELLAR, JR., Fred James. Pointwise bounds in parabolic and elliptic partial differential equations.

GLICK, Irving Isadore. On an analogue of the Euler-Cauchy polygon method for the partial differential equation $u_{x_1} \dots x_n = f$.

MASERICK, Peter Harrington. Half rings in linear spaces.

WU, Alfred Chi-Tai. On the analytic properties of the 4-point function in perturbation theory.

Massachusetts Institute of Technology

BRINEY, Robert Edward. Intersection theory on quotients of algebraic varieties.

CONNER, Howard Emmett. Limit theorem for a position dependent branching process.

GANGOLLI, Ramesh Anand. Brownian motions on a Riemannian manifold.

GINSBURG, Michael. Some spectral sequences associated with the category of a space.

KENT, Clement Fisher. Algebraic structure of some groups of recursive permutations.

MCCORD, III, James Richard. Generalized multidimensional poisson distributions for finite Markov chains.

MORONEY, JR., Richard Morgan. Class of characteristic value problems.

MUSKAT, Joseph Baruch. Criteria for prime power residuacity.

ONISHI, Hironori. General sieve method.

SINCLAIR, Roy George. Axial torsion and extension of helicoidal shells.

SLAGLE, James Robert. Heuristic program that solves symbolic integration problems in freshman calculus, symbolic automatic integrator (saint).

STOLZENBERG, Louis Gabriel. Some hulls of some sets in C^n .

WAGNER, JR., Norman Rayfield. Existence theorem for a nonlinear boundary value problem in ordinary differential equations.

WEINBERG, Israel Jacob. Symmetric finite deflections of circular plates subjected to edge forces and edge moments.

McGill University

DIXON, John Douglas. On general group extension.

SHTERN, Israel Hirsh. On some reducible diophantine equations.

University of Michigan

CHAO, Chong-Yun. Nilpotent lie algebras.

CROSS, JR., Myrle Vivian. On spaces approximated by open sets with compact closures.

KAHN, Paul Markham. Some applications of collective risk theory to reinsurance and group experience rating.

NEWMAN, Rogers Joseph. Capacity and Tchebycheff polynomials.

STODDARD, James Harwood. Regular convergence in a paracompact space.

SURYANARAYAN, Ediyatumangalam Ramnath. The geometry of fluid flows in relativity.

Michigan State University

BARNES, Bruce Herbert. Structure of automata.

KOSIER, Frank James. On a class of non-flexible algebras.

LICK, Don Raymond. Sets of pints of non-uniform convergence of Taylor series and trigonometric series.

SMART, John Roderick. On modular forms of dimension-2 for subgroups of the modular group.

SUKHATME, Sharhikala. Asymptotic theory of some nonparametric test.

University of Minnesota

DRIVER, Rodney David. Delay-differential equations and an application to a two-body problem of classical electrodynamics.

GOVINDARAJULU, Zakkula. Central limit theorems and asymptotic efficiency for one sample non-parametric procedures.

HARVEY, Charles Arthur. Existence of periodic solutions of the differential equation $\ddot{x} + g(x) = p(t)$.

LEE, Ernest Bruce. Methods of optimum feedback control.

LINDBERG, JR., John Albert. On the theory of algebraic extensions of a normed algebra.

MEYER, Donald Lee. Response surface designs with integer-valued factors.

VAN VLECK, Frederick Scott. Bifurcation of an invariant manifold from a derlodic solution of a differential system.

WALL, Francis Joseph. Biostatistical linear models in longitudinal medical research.

University of Missouri

ANDALAFTE, Edward Ziegler. A metric characterization of Banach and Euclidean spaces.

FOLAND, Neal Eugene. Continuous flows on arcs and 2-cells.

FREESE, Raymond William. Ptolemaic metric spaces.

The University of Nebraska

EOHN, Sherman Elwood. A sub-function study of the dirichlet problem for a quasi-linear differential equation.

FOUNTAIN, Leonard DuBois. The boundary value problem for an ordinary nonlinear differential equation of second order.

SUPRUNOWICZ, Konrad. Diagram normal forms and their applications to the theory of models.

New York University

AVILA, Geraldo Severo de Souza. The asymptotic field of a point source in an inhomogeneous medium.

BARAFF, Gene Allen. Quantum and correlation corrections to the Thomas-Fermi atomic model. Part I: The Green's function method for quantum corrections to Thomas-Fermi model. Part II: Extension of the Green's function technique to include correlation effects.

DE FIGUEIREDO, Djairo Guedes. The coerciveness problem for forms over vector-functions.

GOLD, Phillip John. On the mapping class and symplectic modular groups.

MOELLER, James Walter. On the spectra of some translation invariant spaces.

O'MALLEY, Thomas Francis. Upper bounds on scattering lengths when composite bound states exist.

SARASON, Leonard. On boundary value problems for hyperbolic equations.

SPARER, Gerson H. Units of algebraic number fields.

STELL, George Roger. Solutions of the hierarchy equations of statistical mechanics for mixtures.

THURBER, James Kent. An asymptotic method for determining the lift distribution of a swept-back wing of finite span.

WACHMAN, Murray. Isolated essential singularities in solutions of linear elliptic partial differential equations with analytic coefficients.

The University of North Carolina

BLAND, Richard Park. A minimum average risk solution for the problem of choosing the largest mean.

MIKHAIL, Wadie F. On the monotonicity and admissibility of some tests in multivariate analysis.

MURTHY, V. K. On the general renewal process.

PATEL, M. S. Investigations on factorial designs.

RICHARDSON, Wyman. Asymptotic methods of evaluating— $\int f(x) dx$.

North Carolina State College

BISHIR, John William. Two problems in the theory of stochastic branching processes.

COOPER, Dale Edward. Available soil moisture as a stochastic process.

LEHMAN, JR., Eugene H. Estimation of the scale parameter in the Weibull distribution using samples censored by time and by number of failures.

WEBSTER, John Thomas. A decision procedure for the inclusion of an independent variate in a linear estimator.

WILLIAMS, James Stanley. An evaluation of the worth of some selection indices.

University of Notre Dame

FAUST, Sister Claude Marie. On the boundary behavior of holomorphic functions in the unit disk.

The Ohio State University

CRAFT, George Arthur. A transformation theory for multiplicity functions.

WILLKE, Thomas Aloys. A class of multivariate rank statistics.

The University of Oklahoma

BALDWIN, George Lewis. Some questions on distributions, nets and duality.

Oklahoma State University

GOLDMAN, Aaron Sampson. On the determination of sample size.

KELLY, JR., Edgar Preston. On abstract summability.

LONG, Paul Edward. Properties of certain non-continuous transformations.

LOW, Leone Yarborough. Estimation of variance components in Eisenhart's model II, balanced incomplete block and two-way classification.

RHODES, JR., Benjamin Thomas. The use of combined information in interval estimation.

SEKIGUCHI, Tetsundo. Representation theorems for summability operators and linear functionals on bounded sequences.

SESHADRI, Vanamamalai. Estimation in the balanced incomplete block design.

University of Oregon

BAILEY, Duane W. Semi-normed algebras with involution.

CHICKS, Barbara Jean Thomson. K-sample rank order statistics.

Oregon State University

ROSENTHAL, Paul Lester. On a generalization of Mehler's inversion formula and some of its applications.

University of Pennsylvania

CLAY, Jesse Paul. Proximity and equicontinuity in transformation groups.

MACGREGOR, Thomas Harold. Topics in the theory of Schlicht functions.

STEINBERG, Leon. Partitions into bounded summands from arbitrary sets.

University of Pittsburgh

ACHESON, Willard Phillips. Dynamics of an elastic-bingham body.

HANNA, Samuel Charles. Metrization and uniform continuity.

McKINNEY, Earl H. Vibration analysis of continuous beam-columns with uniformly distributed axial load.

MYERS, Earle Frederick. Behavior of curves and surfaces through fundamental elements of birational transformations.

OSSESIA, Michael Germain. Some invariant hypersurfaces.

SABER, Nicholas John. On the product of real valued uniformly continuous functions in metric spaces.

SMITH, Georgia Caldwell. Some results on the anticenter of a group.

STEELE, William Frank. Summability of infinite sequences by submatrix methods.

YOZWIAK, Bernard James. Relations between the Lototsky and certain other methods of summability.

Princeton University

ASKEY, Richard Allen. Mean convergence of orthogonal series and conjugate series.

BRILLINGER, David Ross. Asymptotic means and variances in the k-dimensional case.

BURES, Donald John Charles. The type of certain factors constructed as infinite tensor products.

FREDKIN, Donald Roy. Electron tunneling in semi-conductor junctions.

FREEDMAN, David Amiel. Mixtures of stochastic processes.

GLUCK, Herman Randolph. The embedding of two-spheres in the four-sphere.

GREENLEAF, Newcomb. Local zeros of global forms.

GUARD, James Russell. The independence of transfinite induction up to ω^ω in recursive arithmetic.

RITCHIE, Robert Wells. Classes of recursive functions or predictable complexity.

SHEPP, Lawrence Alan. Recurrent sums of random variables.

STASHEFF, James Dillon. Homotopy associativity of H-spaces.

WISHART, David Matthew Garrick. Augmentation techniques in the theory of queues.

Purdue University

BANILOWER, Howard. Certain ideals in algebras of extended real-valued functions.

COLEMAN, Donald Brooks. On group rings.

MAJUMDAR, Kulendra Narayan. Asymptotic expansions for the deviation between two empirical distribution functions.

SHERMAN, Gordon Rae. Combinatorial scheduling: on finding a partition of a finite set which maximizes a set function.

WEINBERG, Elliot Carl. Higher degrees of distributivity in lattices of continuous functions.

ZWIER, Paul John. Homolog yand cohomology from rings of functions.

Rensselaer Polytechnic Institute

MARTIN, Charles J. Vibrations of an elastic plate under tension.

University of Rochester

BURTON, David MacGregor. The solution of hyperbolic systems of partial differential equations by double laplace transforms.

St. Louis University

BRANDE, S.J. Edward Woodrow. The representations of binary quadratic forms by quinary quadratic forms.

BUSER, C.S.J., Sister Mary Paul. On the coefficients of the approximating polynomial for partitions into unit and prime summands.

EIGEL, JR., Edwin George. Paraphrases and divisor functions.

KENNEDY, Hubert Collings. Group membership in rings.

TROY, Daniel Joseph. Hadamard operators on Lambert series.

University of Southern California

CATER, Frank Sidney. Contributions to the theory of Hilbert space operators.

ZIMMERMAN, Jack Miles. Band-limited functions and improper problems in partial differential equations.

Stanford University

BARLOW, Richard Eugene. Applications of semi-markov processes to counter and reliability problems.

BELL, Lloyd Franklin. A mathematical theory of guarantee policies.

DAVIS, Kenneth Samuel. The study of certain hyperbolic differential equations and their corresponding symmetric hamburger moment problems.

HANSEN, Eldon Robert. On Jacobi methods and Block-Jacobi methods for computing matrix eigenvalues.

HILL, Bruce Marvin. A test of linearity versus convexity of a median regression curve.

KULLBACK, Joseph Henry. A quality control model for complex items.

NEUTS, Marcel Fernand. Games on the unit-square with discrete payoff.

PERRIN, Edward Burton. Estimation of parameters in systems related to the observations by an unknown monotone transformation.

SHINBROT, Marvin. Difference kernels.

SINGLETON, Richard Collom. Steady state properties of selected inventory models.

STONE, Jeremy Judah. Exponential polynomials on commutative semigroups.

VAN DE WETERING, Richard Lee. On the motions of particles in euclidean and non-euclidean spaces under certain conservative force fields.

WHITE, Alvin Murray. Singularities of harmonic functions of three variables generated by a Whittaker-Bergman operator.

WOODS, Walter Max. Variables sampling inspection procedures which guarantee acceptance of perfectly screened lots.

YOUNG, Lael Marcus. On certain cyclic extensions of the field of rational numbers.

Syracuse University

HUSAIN, Taqdir. On S-spaces and the open mapping theorem.

The University of Tennessee

EDWARDS, JR., Charles Henry. Concentric tori in the three-sphere.

The University of Texas

BUCKHOLTZ, James Donnell. Concerning polynomial sequences and the distribution of their zeros.

DEATON, Edmund Ike. Solutions of a system of two nonlinear partial differential equations of the first order, with accessory boundary conditions.

DROBNIES, Saul Isaac. Concerning the uniform polynomial approximation of a bounded function.

DYER, James Arthur. On the consequences of momentum conservation laws in a gravitational theory of the Whitehead type.

ELLIS, Homer Godsey. Solutions of analytic equations and solutions of first order, analytic differential equations.

GLASGOW, Mark Othello. Some marginal distributions associated with permutation cycles.

HAYDEN, Thomas Lee. A convergence problem for continued fractions.

SPARKMAN, Sister Mary Clarice. Relationship and analogue between the finite calculus and the limit calculus of polynomials.

WEBB, James Ramsey. A Hellinger integral representation for bounded linear functionals.

University of Toronto

ALI, Mir Maswood. Contributions to linear order estimation of scale and location parameters.

Tulane University

CLEAVER, Frank Lee. On coverings of four-space by spheres.

HANCOCK, Vernon Ray. Commutative Schreier extensions of semigroups.

HARVEY, II, John Grover. Complete holomorphs and chains in partially ordered groups.

HOLLAND, JR., Wilbur Charles. Extensions of ordered algebraic structures.

HUDSON, Anne Lester. On the structure of certain classes of topological semigroups.

University of Utah

HUNT, Robert Weldon. The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order.

WISER, Horace Clare. Decomposition and homogeneity of continua on a 2-manifold.

University of Virginia

ALBERT, Eugene. Markov chains and eigenvectors.

DUDA, Edwin. Brouwer property spaces.

University of Washington

BAILEY, Paul Bernard. Removal of the log factor in the asymptotic estimates of the membrane eigenvalues.

PETRICH, Mario. Semicharacters of direct products and of certain other semigroups.

REID, James Dolan. Invariants of torsion free groups.

Washington State University

PERESSINI, Anthony L. On topologies in ordered vector spaces.

Wayne State University

BEREITER, Sister Mary Catharina. Linear sequence spaces.

SCHWARTZ, Arthur J. The geometric theory of non-compact transformation groups.

Western Reserve University

REINKE, William A. Dynamic production and inventory control in the face of uncertainty.

William Marsh Rice University

ARMENDÁRIZ, A. Armando. Cluster sets and quasiconformal mappings.

JONES, Benjamin Franklin. The determination of a coefficient in a parabolic differential equation.

The University of Wisconsin

ALLAUD, Guy Dante. Fiber spaces and loop actions.

DEMAR, Richard Francis. Existence of interpolating functions of exponential type.

LANGE, John Edward. Entire functions as limits of zero-restricted polynomials.

MC COY, Thomas La Rue. Entire functions with restraints on the zeros of the partial sums.

SCHRADER, Sister Walter Reginald. *The Epistola de Proportionibus et Proportionalitate* of Ametus Filius Isoephi.

STENGLE, Gilbert Allen. A construction for solutions of an N-th order linear differential equation in the neighborhood of a turning point.

Yale University

ADLER, Roy Lee. On some algebraic aspects of measure preserving transformations.

KAHN, Donald William. On the real cohomology of fibre spaces.

KILLAM, Eleanor. Locally M-convex algebras.

MAEDA, Fumiyuki. Spectral theory on locally convex spaces.

SIMPSON, James Edward. On spectral measures and spectral operators.

SUH, Tae-II. On isomorphisms of little projective groups of Cayley planes.

GLASS, Elizabeth Ann. Galactose permeases in *Escherichia coli*.

University of Colorado

CHUN-HOON, Harry C. F. Studies on a "natural" antibody against *Trichomonas augusta*.

VEDROS, Neylan Anthony. Studies on C-reactive protein.

University of Kentucky

QUINTO, Grace Virginia. Non-sporulating anaerobic bacilli of human and animal origin.

Loyola University

HENTGES, David John. The influence of environment on the antagonistic relationship between shigella and airobacter: an ecological study.

Michigan State University

FREY, James Russell. A quantitative study of the enteric viruses in sewage.

LIPE, Robert Sterling. The relationship between substrate concentration respiration rate and growth rate of *Escherichia coli* in continuous flow culture.

MALLMANN, Virginia H. The demonstration of a cell-attachment-and-growth factor and comparative studies of infectious bronchitis virus before and after separation from the factor.

MORTER, Raymond Lione. The pathogenesis of Leptospiral infections *Leptospira pomona* during pregnancy in cattle and swine.

VALDMANIS, Aina. The effect of various enzymes on the antigenic activity of heated and unheated *Bordetella* suspensions.

The University of Oklahoma

MAHVI, Abolghassem. A study of the physiology of *Histoplasma capsulatum*.

University of Pennsylvania

COON, Robert George. Genetic analysis of purine-requiring mutants of *Salmonella typhimurium*.

THEIS, Gail Ann. A mechanism of natural resistance.

Rutgers University

ALBRECHT, Alberta Marie. Acetylornithine delta-transaminase: aspects of its action and formation.

BARTNICKI-GARCIA, Salomon. Biochemistry of morphogenesis in *Mucor*.

DI CUOLLO, C. John. Structural modifications of neomycin- and streptomycin-type antibiotics.

GUSTAFSON, Richard Henry. A comparative study of the biological properties of four selected strains of Newcastle disease virus.

KLEIN, Dolph. The microbiological degradation of streptomycin.

McKEE, James Joseph. Effects of enzymatic digests of deoxyribonucleic acid on staphylococci.

ROUBEIN, Isaac Fuad. Identification and characterization of streptothricin-like antibiotics.

Syracuse University

BACH, Frederick Charles. *Saccharomyces cerevisiae*, I. influence of metal cations.

The University of Texas

HALPEREN, Sidney. Host-viral relationships in mixed viral infections.

University of Washington

JUTILA, John Wayne. Studies on homologous disease in mice.

MAIO, Joseph James. Carbohydrate transport by mammalian cells grown in tissue culture.

McCORMICK, Neil Glenn. A study of the phosphoroclastic and formate-pyruvate exchange reactions catalyzed by *Micrococcus lactilyticus*.

OH, Jang Ok. Studies on endothelial lesions of the rabbit cornea induced by Newcastle disease virus (NDV) *in vivo* and *in vitro* and their suppressions by chemical agents.

Yale University

LAZAROFF, Norman. The effect of light on the development cycle of *Nostoc muscorum*.

YAMAMOTO, Tatsuzo. Cytochemical studies on vaccinia infected cells.

MICROBIOLOGY

University of Arizona

WALLRAFF, Evelyn B. St. Louis encephalitis virus in primary tissue culture.

Boston University

MILLER, John Tyler. An immunological comparison of animal-grown and broth-grown *Shigella flexneri* types 1b and 3.

University of California, Berkeley

ELLIS, Gordon Woodbury. Microsurgical investigation of nuclear injury with the piezoelectric micromanipulator.

SIDDIQUI, Wasim Ahmad. Comparative studies of normal and temperature-adapted strains of three species of *Entamoeba*.

SPOTTS, Charles Russell. Studies on streptomycin dependence in *Escherichia coli*.

University of California, Davis

YORK, II, George Kenneth. Studies on the inhibition of microbes by sorbic acid.

University of Chicago

BENNETT, JR., Charles Robert. Growth characteristics of Randall strain of chimpanzee coryza agent in tissue culture and its antigenic relationship to other strains of chimpanzee coryza agent.

BRIGHTMAN, Vernon J. F. The metabolism of itaconic and mesaconic acids.

CAMPBELL, James N. Aberrant metabolic mechanisms in *Micrococcus sodonensis*. I. The nature and production of an extracellular slime material. II. The effect of ammonia on growth processes.

MINERALOGY

Cornell University

JHA, Parmeshwari Prasad. Morphology, mineralogy and genesis of Williamson silt loam, a sol brun acide developed on silty-lacustrine deposits.

TILLER, Kevin George. Specific sorption of some heavy metal cations by pure minerals and soil clays.

University of Illinois

WOLFF, Roger Glen. Structural aspects of clay minerals using infrared absorption.

University of Michigan

SALOTTI, Charles Anthony. Geology and petrology of the Cotapaxi-Howard area, Fremont County, Colorado.

WELLS, Ralph Gordon. Some relationships in the system ZrO_2 -FeO-SiO₂.

University of Missouri

SCRIVNER, Clarence Leland. Morphology, mineralogy and chemistry of the Lebanon silt loam.

The Pennsylvania State University

CASSIDY, William Arthur. Phase-equilibrium studies on tektite and meteorite systems.

FANG, Jen-Ho. X-ray studies on Ca-C12-chabazite and dehydrated natrolite.

HAWKINS, Daniel Ballou. Experimental hydrothermal studies bearing on rock weathering and clay mineral formation.

HINCKLEY, David Narwyn. Mineralogical and chemical variations in the kaolin deposits of the coastal plain of Georgia and South Carolina.

HUTTA, Joseph John. A study of the incorporation of uranium by synthesized crystals of lead sulfide.

LANDY, Richard Allen. Variation in chemical composition of rock bodies: metabasalts in the Iron Springs Quadrangle, South Mountain, Pennsylvania.

MANEVAL, David Richard. Separation and analysis of bastnaesite rare earths.

PACHMAN, Jerrold Marvin. Interrelations among petrographic, textural, and oil reservoir properties in the chipmunk sandstone.

WARSHAW, Israel. Phase equilibrium and crystal chemical relationships in rare earth systems.

University of Utah

OLSEN, Donald Ray. Geology and mineralogy of the Delno Mining District and vicinity, Elko County, Nevada.

The University of Wisconsin

HASHIMOTO, Isao. Differential dissolution analysis of clays and its application to Hawaiian soils.

MUSIC

Boston University

HOULIHAN, JR., James Edward. The music educators national conference in American education.

SPIRO, Arthur Gerald. The five-part madrigals of Luzzasco Luzzaschi.

Brandeis University

BURROWS, David Lamont. The cantatas of Antonio Cesti.

PONTE, III, Joseph Perry. Aureliani reomensis musica disciplina: a revised text, translation and commentary.

University of California, Berkeley

CHUSID, Martin. The chamber music of Schubert.

University of California, Los Angeles

CARFAGNO, Simon Albert. The life and dramatic music of Stefano Landi with a transliteration and orchestration of the opera *Sant' Alessio*.

The Catholic University of America

FOELBER, Paul Frederick. Bach's treatment of the subject of death in his choral music. (Studies in Music No. 8.)

KEANE, Sister Michaela Maria. The theoretical writings of Jean-Philippe Rameau. (Studies in Music No. 9.)

SHAUM, Reverend David W. The music program in Catholic colleges and universities in the United States.

University of Chicago

COWAN, Denis. Morphology and value in music.

Columbia University

CAZEAUX, Isabelle Anne-Marie. The secular music of Claudin de Sermisy.

Cornell University

GALKIN, Elliott Washington. The theory and practice of orchestral conducting since 1752.

KRETER, Leo Edward. Thesis: Symphony No. 1. Essay: Motivic and textural delineation of the formal design in the first three Bartok quartets.

LEE, Barbara. Giovanni Maria Lanfranco's *Scintille di musica* and its relation to 16th-century music theory.

MONACO, Richard Andrew. Thesis: Symphony for orchestra. Essay: The music of Hunter Johnson.

SALZBERG, Marvin. Thesis: Constructs for orchestra. Essay: Combinatorial and derivational procedures in twelve-tone music with some consideration of structural rhythm.

TRYTHALL, Harry Gilbert. Thesis: Symphony No. 1. Essay: The tonic effect of contextural emphasis in melody.

The Florida State University

CARROLL, Charles Michael. Volume I: Francois-Andre Danican Philidor, his life and dramatic art. Volume II. Tom Jones, comedie lyrique en trois actes.

HUGHES, John Gilliam. The *tientos, fugas, and diferencias* in Antonio de Cabezón's *Obras de musica para tecla, harpa y vihuela*.

JOHNSON, Roy Henry. Concerto for piano and orchestra.

MCDUFFIE, JR., Roger A. Symphony No. 1. MUELLER, Frederick. Symphony No. 2, Opus No. 25.

SHULL, Carl N. A study of children's vocal literature written by selected distinguished composers.

WIKSTROM, Thomas Nord. The application of early string literature to heterogeneous string classes at the college level.

WILLIAMS, Grier Moffatt. A history of music in Jacksonville, Florida, from 1822 to 1922.

YODER, Paul Marvin. Nineteenth century sacred music of the Mennonite Church in the United States.

George Peabody College for Teachers

ALEXANDER, William Peddie. An approach to intercultural education through Hispanic folk music in New Mexico.

CARRUTH, Carroll Dodson. Anthoine de Bertrand: French chromatic chanson composer of the sixteenth century.

Harvard University

HAAR, James Edward. Musica Mundana: variations on a Pythagorean theme.

SLIM, Harry Colin. The keyboard ricercar and fantasia in Italy, c. 1500-1550, with reference to parallel forms in European lute music of the same period.

University of Illinois

BEAN, JR., Calvert. Information theory applied to the analysis of a particular formal process in tonal music.

COLWELL, Richard James. An investigation of achievement in music in the public schools of Sioux Falls, South Dakota.

CROCKETT, JR., Frank McClung. An analysis and evaluation of the University of Texas Program of String Teacher Preparation.

FREDRICKSON, Lawrence Thomas. Stravinsky's instrumentation. A study of his orchestral techniques.

GARRETSON, Homer Eugene. An annotated bibliography of written material pertinent to the performance of chamber music for stringed instruments.

RUTAN, Harold Duane. An annotated bibliography of written material pertinent to the performance of brass and percussion chamber music.

SLATES, Philip Marion. Paradigms for a definition of musical form.

SMITH, Robert Barton. A study of the effect of large group vocal training on the singing ability of nursery school children.

WARD-STEINMAN, David. Serial techniques in the recent music of Igor Stravinsky.

WOLF, Edward Christopher. Lutheran church music in America during the eighteenth and early nineteenth centuries.

Indiana University

- ATCHERSON, Walter Thomas. Modal theory of sixteenth-century German theorists.
- GUSTIN, Molly. Tonality.
- HAGGH, Raymond H. Hugo Riemann's "Geschichte der Musik-theorie IM ix.-xix. Jahrhundert", Books I and II: a translation with commentary and annotated bibliography.
- HOLMAN, Hans-Jorgen. The Responsoria Prolixia of the Codex Worcester F 160.
- HOMAN, Frederic W. Cadence in Gregorian chant.
- MANDELBAUM, Mayer Joel. Multiple division of the octave and the tonal resources of 19-tone temperament.
- MAYNARD, Judson Dana. An anonymous Scottish treatise on music from the sixteenth century, British Museum, additional manuscript 4911, edition and commentary.
- YOUNGBLOOD, Joseph Edward. Music and language: some related analytical techniques.

State University of Iowa

- BENTON, Rita Beatrice. Nicolas Joseph Hüllmandel and French instrumental music in the second half of the eighteenth century.
- BICGS, Millard Robert. An evaluation of a technique employing the use of the magnetic tape recorder in teaching of students of brass instruments.
- CRANE, Frederick Baron. A study of theoretical writings of musical form to ca. 1460.
- EITZEN, LeRoy Victor. *Aria da capo*, a chamber opera in one act.
- FRITSCHER, James Erwin. Part I. Doctoral essay—The study and performance of three extended choral works: *Mass in G*, by Francis Poulenc; *Missa Brevis*, by Dietrich Buxtehude; *Stabat Mater*, by Antonio Caldara, and Part II: Original composition—introductions and graduals for Holy Week for chorus and wind instruments.
- JONES, Wendal Stephan. Overture for orchestra, and quintet for winds.
- LAWSON, Gerald Lee. The status of music in Iowa high schools.
- LOMBARDO, Robert Michael. Part I—*Variations on a rose*: three songs for tenor and orchestra, and Part II—String quartet.
- LONDON, Edwin Wolf. *Santa Claus*—a mime-opera based on the morality of E. E. Cummings.
- MANSFIELD, James Lewis. Variations for orchestra, and divertimento for two horns and string orchestra.
- MENK, Gail Ellsworth. The symphonic introductions of Joseph Haydn.
- MERCHANT, Gloria Bader. An annotated translation and critique of *La musique et la vie intérieure* by Lucien Bourguès and Alexandre Denéréaz (a psycho-musico-aesthetic study).

- ROSS, Edgar Cecil. An experimental study of the effect of analytical guidance in music memorization.
- YANNATOS, James Demitrious. *Oedipus*, a ballet-drama for orchestra, dancers, chorus (or narrator) and baritone.

University of Kansas

- PARKER, Olin Griffith. A study of the relationship of aesthetic sensitivity to musical ability, intelligence, and socioeconomic status.
- WEHNER, Walter Leroy. The effect of interior shape and size of clarinet mouthpieces on intonation and tone quality.

University of Michigan

- BERMAN, Joel H. Performance only. (Tape recording available at School of Music library.)
- BOSTROM, Marvin John. Keyboard instruction books of the eighteenth century.
- BUSCH, Stephen Ellis. A history of the Lawrence Conservatory of Music.
- COLLINS, Richard Sidney. Performance only. (Tape recording available at School of Music library.)
- DUNHAM, Richard Lee. Music appreciation in the public schools of the United States 1897-1930.
- PEARSON, JR., Frank Cogswell. The madrigals of Peter Philips.
- RUSSELL, Paul. Performance only. (Tape recording available at School of Music library.)
- SANDFORD, Donald Herbert. Performance only. (Tape recording available at School of Music library.)
- SHETLER, Donald Joseph. The content evaluation of selected music programs produced for the National Educational Television and Radio Center.
- STARK, Lucien Paul. Performance only. (Tape recording available at School of Music library.)
- WISE, Bruce. Patterns for orchestra.

Michigan State University

- GEROW, Maurice. A study of the relation between the criteria used for choral concert program building at the college level and an analysis of the elements of music structure found in choral music.

The University of Nebraska

- BERNSTEIN, Benjamin Bernard. An analysis of full time summer music programs sponsored for secondary school students by publicly supported American universities and colleges, 1958-1959.
- SCHMIDT, Aaron. Certain integrants of music education related to participation in the secondary school music program.

New York University

- ARMOUR, Eugene. The melodic and rhythmic characteristics of the music of the traditional ballad variants found in the southern Appalachians.
- BRUNO, James Byron. Folk music materials for use in the elementary school.
- COLBERT, John. The effects of musical stimulation on high and low anxiety college students in perceptual and learning tasks.
- D'ECCLESIIIS, Gennaro Anthony. The aria technique of Giacomo Puccini. A study in musico-dramatic style.
- DOYLE, John Godfrey. The piano music of Louis Moreau Gottschalk.
- GATWOOD, Robin Frederick. The application of certain types of electronic equipment to the teaching of music.
- KAPLAN, Lionel. The relationship between certain personality characteristics and achievement in instrumental music.
- SOUTHERN, Eileen Jackson. The Buxheim organ book.

The University of North Carolina

- BOSTIAN, R. Lee. The works of Rinaldo Di Capua.
- DAVIS, Bertram Earl. The works of Johannes Vincenet.
- FOUSE, Donald Mahlon. The sacred music of Giammateo Asola.
- FRUCHTMAN, Efrim. The Baryton Trios of Tomasini, Burgkstein, and Neumann.
- KLITZ, Brian Kent. Solo sonatas, trio sonatas, and duos for bassoon before 1750.
- MIXTER, Keith Eugene. Johannes Brassart and his works.
- SASSER, William Gray. The guitar works of Fernando Sor.

North Texas State College

- KELTON, Raymond Harrison. The instrumental music of Ascanio Mayone.
- LAWES, Robert Clement. The *Seville Canonero*: transcription and commentary.
- SHIPP, Clifford Marion. A *chansonnier* of the Dukes of Lorraine: the Paris manuscript *fonds français*, 1597.

Northwestern University

- BECK, Theodore Albert. The organ chorales of Johann Gottfried Walther: an analysis of style.
- GANZ, Peter F. The development of the etude for pianoforte.
- JOHNS, Donald C. Johann Nepomuk David's *Choralwerk*: a study of the evolution of a contemporary liturgical organ style.
- KELLY, James W. The Faust legend in music.
- PANKRATZ, Herbert Raymond. The male voice in German choral music of the Renaissance.

PURDY, William E. Music in Mormon culture, 1830-1876.

VILLARD, Leon J. Text underlay in the Mass Ordinary of Dufay and some of the contemporaries.

WATHEN, Lawrence S. Dissonance treatment in the instrumental music of Samuel Barber.

The Ohio State University

EDWARDS, Loraine. Teacher education in music in the United States and Great Britain.

HINTON, JR., William G. Vocal competencies desirable for public school music teaching and their relation to class voice instruction in teacher education.

The Pennsylvania State University

BAUER, Arnold Jesse. The projection of a curriculum for junior high school general music classes, based on an estimate of consumer needs in Cumberland County, Pennsylvania.

Radcliffe College

GODOY, Susan. Mexican music from 1920 to 1953.

The University of Rochester

AHLSTROM, David C. Concerto for trumpet and orchestra.

BURNHAM, JR., Cardon Vern. Cantus Prospectus. A song of dedication.

GORDON, David Alexander. Symphony No. 1.

JOHNSON, Roy Hamlin. The twentieth century solo pianoforte sonatina, a survey.

JOHNSTON, Donald Oscar. Symphony No. 3.

MATHER-PIKE, Dolores Anne. *La Donna Vestita di Sole*: A collection of sacred madrigals by Orfeo Vecchi.

MENNINI, Louis Alfred. String quartet.

MITCHELL, Lyndol Coleman. Concerto grosso for three trombones and orchestra (in Stile Barocco).

MOORE, C.S.C., Sister Eleanor Marie. A study of the vocal works of Sir Edward Elgar.

PAUL, John William. Pieces in variation form for piano solo: their pedagogical implications.

SCHARF, Warren A. J. S. Bach's B-minor Mass: a study in interpretation.

SHATZKIN, Merton. The evolution of superimposed chords and tonalities.

STEVENS, JR., Willis A. The concerted piano music of Stravinsky.

TAMBLYN, John William. Symphony in A.

WILLETT, William Cannell. An investigation of clarinet reed contour and its relation to tone quality.

University of Southern California

GRAY, John Justin. Subject matter testing practices in state university music education curricula.

HADERER, Walter Louis. Selected unpublished symphonies of the Mannheim School for use in training school orchestras.

HILTON, Hope. The use of music in the religious education of primary and junior children.

LAYCOCK, Harold R. A history of music in the academies of the Latter-day Saints Church, 1876-1926.

McNAB, Duncan Robert. A study of classic and romantic elements in the piano works of Mozart and Schumann.

PERKINS, Marion Louise. Changing concepts of rhythm in the Romantic era: a study of rhythmic structure, theory, and performance practices related to piano literature.

VAIL, James Harold. The choral eucharist in the Anglican Church from the English Reformation to the Oxford Movement.

WEIGHT, Newell Bryan. A historical study of the origin and character of indigenous hymn tunes of the Latter-day Saints.

Stanford University

BICKNELL, Joan Colleen. Interdependence of word and tone in the dramatic music of Henry Purcell.

BOEKELHEIDE, Viola Ethel. Some techniques of assessing certain basic music listening skills for eight- and nine-year-olds.

HOULE, George Louis. The musical measure as discussed by theorists from 1650 to 1800.

The University of Texas

DAVIS, Ronald Leroy. A history of resident opera in the American West.

Union Theological Seminary (New York)

ANDERSON, Robert Theodore. Garden of Gethsemane. (Composition).

HAMERSMA, John Edward. Les dix psaumes of Claude le Jeune.

HARTER, Harry Harold. Requiem for fallen Nineveh. (Composition).

JENSEN, Donald Frederick. The music dramas of J. H. Rolle.

LARSON, David Dynes. The Beatitudes. (Composition).

SIMMONS, Morgan Ferdinand. Latin hymnody: its resurgence in English usage.

University of Washington

CHRISTENSEN, Peter Louis Kai. The orchestral works of Gösta Nystroem: a critical study.

Western Reserve University

WHEAR, Paul William. Original composition (opera).

Yale University

KNAPP, Janet Elizabeth. The polyphonic conductus in the Notre-Dame epoch: a study of the sixth and seventh Fascicles of the manuscript Florence, Biblioteca Laurenziana, Pluteus 29.I.

MARSHALL, Judith-Marie. A late eleventh-century manuscript from St. Martial de Limoges Paris, Bibliothèque Nationale, Fonds Latin No. 1139.

OCEANOGRAPHY

University of California, Los Angeles

WILLIAMS, Peter M. Organic acids found in Pacific Ocean waters.†

Agricultural and Mechanical College of Texas

HENRY, JR., Vernon James. Recent sedimentation and related oceanographic factors in the west Mississippi delta area.

IVERSEN, Edwin Severin. Estimating a population of pink shrimp by the use of catch per effort and tagging data.

MOSKOVITS, George. Studies on diatom-bacteria interactions.

PARK, Kilho. A study of calcium carbonate chemistry in the oceans with emphasis on the effect of dissolved organic matter.

University of Washington

BARKLEY, Richard Andrew. A one-dimensional model of the vertical distribution of dissolved phosphorus in the oceans.

PHARMACOLOGY

University of Alabama

LINDSAY, Raymond Hugh. Metabolism of rat kidney cortex as influenced by thyroxine *in vitro*.

Baylor University

DAVIS, Joseph Richard. Suppression of amino acid incorporation into chromatographically isolated cationic nuclear proteins by 5-BIS-(2-chloroethyl)-aminouracil.

Boston University

RUBIN, Robert Jay. Study of the relationship of nucleic acid and protein synthesis to Mammalian enzyme induction.

University of British Columbia

LING, George McDonald. Pharmacological analysis of EEG "activation."

The University of Buffalo

ADAMS, Herbert John Frederick. A study of neuromuscular blocking agents in the tibialis and soleus muscles of the cat.

University of Chicago

EZZ, Esmat A. Expiratory $C^{14}O_2$ patterns in normal and mammary tumor C3H mice following administration of C^{14} labeled intermediates.

TRICOU, Betty Jo. Mechanism of the radioprotective effect of Serotonin.

University of Cincinnati

MORALES-AGUILERA, Antonio. Effects of veratridine on the potassium balance of the dog heart-lung preparation.

Columbia University

CHAN, Wah-Yip. The effects of neurohypophyseal hormones on electrolyte excretion and renal hemodynamics in dogs.

The University of Florida

SCHNELL, Lorne Albert. The permeability of red corpuscles to various water-soluble organic iodine compounds.

SHAW, Margaret Ann. A study of isotonic solutions and some modifications of the hemolytic method.

Georgetown University

OROSZLAN, Stephen I. A study of protein-binding of atropine and of its interaction with amino acids.

University of Illinois

HUBER, William George. A pharmacologic study of anticholinergic and monoamine oxidase inhibitor drugs in dogs and swine.

University of Illinois, Chicago Professional Colleges

CHANDRASEKHAR, Garadi Rachappa. Selective sensitivity of autonomic ganglia to blockade.

GOMOLL, Allen Warren. The excretion of aldosterone as influenced by acetylcholine.

GOODSELL, Elizabeth Bertcher. Ethanol intoxication in adrenocorticosteroid-treated mice.

State University of Iowa

ADAMSON, Richard Henry. Hepatic carcinogenesis and drug metabolism.

BERRY, Charles Arthur. Some pharmacological aspects of systemically administered local anesthetics with particular reference to their anticonvulsant activity.

MARSHALL, Franklin Nick. Part I—Effects of halothane on gastrointestinal motility. Part II—Investigation of the natriuretic effect of B-diethylaminoethylphenylpropyl acetate hydrochloride (SKF 525-A).

University of Kansas

SMITH, Carroll Marshall. Studies on substance P.

Loyola University

AWAD, Olfat. A biochemical study on the effect of organophosphorus compounds, EPN (o-ethyl-o-p-nitrophenyl thionobenzene phosphonate) and malathion (o-o-dimethyl-s-(1,2 dicarbethoxyethyl) dithiophosphate) on brain cholinesterase.

McGill University

SEGAL, Mark. The action of various hypotensive agents on the urinary excretion of adrenaline and noradrenaline.

VARMA, Daya Ram. Pharmacological studies on the experimental assessment of functional changes in the coronary circulation.

University of Michigan

BAUM, Thomas. The cardiovascular pharmacology of tertiary-butylamine and related aliphatic amines.

BRODY, Michael J. Studies on the afferent mechanisms and the neurohumoral mediation of active reflex dilatation.

LUCCHESI, Benedict Robert. The antiarrhythmic action of several phenyl substituted compounds with special reference to dichloroisoproterenol.

MOORE, Kenneth Edwin. Mechanisms of triethyltin toxicity.

OWEN, Gareth Ednyfed. The relation of electrolyte transfer induced by chlorothiazide to hypertension.

ZIMMERMAN, Ben George. The mechanism of the reduction in cardiac output by hexamethonium.

University of Minnesota

RUETHER, Millard Herbert. Cytotoxicity of antibacterial agents.

The University of Nebraska

WELLS, Patrick Roland. The effects of hormones and x-irradiation on the survival of isografted fetal mouse hearts.

New York University

NASH, Earl Henry. The effect of a pharmacological agent on autonomic responses in sexual deviants.

State University of New York, Downstate Medical Center

GROSSMAN, Albert. The effects of frequency of stimulation, calcium concentration, and various drugs on calcium exchange and contractility of the isolated guinea pig left auricle.

SCHWARTZ, Arnold. Biochemical studies on experimentally induced heart failure.

The Ohio State University

EICHMAN, Martin Leonard. The interactions of xanthine molecules with bovine serum albumin.

LAMB, Donald Joseph. Correlation of the base-catalyzed decomposition rates of some barbituric acid derivatives with substituent effects.

POWERS, Thomas Edgar. The transfer of antibiotics from the blood to milk in the isolated perfused caprine mammary gland.

RAITT, Jacob Rothwacks. An investigation of a possible site of action of chlorpromazine.

SEUGLING, JR., Earl William. A study of the cationic exchange properties of acid-activated bentonite.

The University of Oklahoma

VALADARES, Joseph R. E. Sex differences in the electrolyte content of the canine heart.

Philadelphia College of Pharmacy and Science

SMITH, Thomas Harry Francis. The action of certain hypotensive agents on experimental arteriosclerosis in the normotensive and hypertensive rat.

University of Pittsburgh

BICKERTON, Robert Keith. An investigation of the mechanisms of action of several hypotensive agents.

HOROVITZ, Zola Phillip. A biochemical and pharmacological correlation of the effects of certain monoamine oxidase inhibitors.

NEWCOMB, James Cyrenius. A pharmaceutical study of aluminum carboxymethylcellulose jelly.

PFITZER, Emil Alvin. A study of the biological classification of chemicals by their physical properties.

VENTURELLA, Vincent Steven. The synthesis of some phenyl(2-hydroxy-3-pyrazyl) carbinols as possible antimetabolites of serotonin.

WATZMAN, Nathan. The effects of certain compounds on experimental muscular dystrophy.

Purdue University

APPINO, James Beverly. A radioisotopic method of evaluating dispersed systems.

BRECKINRIDGE, JR., Charles Edward. Analyses using isotopes and spectrophotometry.

BRUNO, Gerald Anthony. Auxiliary methods of analysis in beta and gamma scintillation spectrometry.

DAVIS, Charles Stewart. The synthesis of 2-aminobenzenethiol derivatives.

PHILOSOPHY

Boston University

HARRIS, James Richard. A study of the effect of granulating agents on the biological availability of tablet medication.

MOORE, Peter Francis. Studies of and anti-arrhythmic activity of THFA.

SHETH, Kirti Shantilal. Structural studies of loganin.

TAYLOR, Elmore Hector. The biogenesis of ergot alkaloids.

ZALLEN, Harold. A polarographic study of several cancer chemotherapeutic agents.

The University of Rochester

ROSENBERG, Franklin Jerome. A central nervous system component of the hyperglycemic response to exogenous epinephrine.

Medical College of South Carolina

ALDINGER, Earl Edward. Studies of cardiovascular energy changes occurring with drug administration under normal acid base balance and during hypercapnia, ischemia, and metabolic acidosis.

University of Toronto

JOHNSON, Gordon Edward. Drug action on thermoregulation.

Tufts University

WAHBA, Albert Jack. Thymidylc acid synthesis in *Escherichia coli*: preparation, properties, and mechanism of action of thymidylate synthetase.

University of Utah

FINK, Gregory Burnell. Comparative pharmacology of some psychopharmacologic and anticonvulsant drugs.

University of Washington

ABOU-CHAAR, Charles I. Studies of alkaloid metabolism in *Claviceps purpurea*.

ANDERSON, Arthur James. A pharmaceutical investigation of selected Alberta bentonites.

BROWN, Leo Wayne. Polarographic study of iodothiophenes.

SORBY, Donald Lloyd. A physical study of adsorption phenomena of some phenothiazine derivatives.

Western Reserve University

RILEY, Gene A. Studies of the action of adenosine 3'5'-monophosphate.

The University of Wisconsin

SOKOLOSKI, Theodore Daniel. The auto-oxidation of epinephrine.

Yale University

SCHANBERG, Saul Murray. The accumulation and intracellular distribution of 5-hydroxytryptamine in brain.

BERGMARK, Robert Edward. Moral objectivism in W. R. Sorley, W. D. Ross, A. C. Ewing, and A. C. Garnett.

COREA, Peter Vincent. Freedom in the thought of Plato, Aristotle, Augustine and Kant.

PETTY, Benjamin Aby. The definition of category in Aristotle, Kant, and Bowne.

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Bryn Mawr College

PHILLIPS, Rilla M. Time, freedom and self-consciousness in the philosophies of Karl Jaspers and Nicolas Berdyaev.

SCHRECKER, Anne Martin. A study of Francis Hutcheson's two ethical theories in relation to some moral philosophies of the enlightenment.

The University of Buffalo

HACKER, Edward Albert. Idealism, realism and the ego-centric predicament.

University of California, Berkeley

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University of California, Los Angeles

MOSS, Samuel. A study of the semantic generalization effect.

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The Catholic University of America

BURT, Reverend Donald X. The state and religious toleration: aspects of the church-state theories of four Christian thinkers. (Philosophical Studies No. 193, Abstract Series No. 43.)

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QUINN, Reverend John Michael. The doctrine of time in St. Thomas Aquinas; some aspects and applications. (Philosophical Studies No. 198, Abstract Series No. 48.)

University of Chicago

CRIMMEL, JR., Henry H. Verbalism and Nihilism.

O'BRIEN, George Dennis. Meaning and fact: a study in the philosophy of Wittgenstein.

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LEWIS, Benjamin Franklin. The concept of "meaning in history."

Columbia University

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Cornell University

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LEWIS, Allison L. A critical examination of three contemporary aesthetic theories.

TALBUTT, JR., Palmer Cummins. The emotive interpretation of metaphysics.

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CHIARAVIGLIO, Lucio. Abstraction and temporality: a study of Whitehead's metaphysics.

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Georgetown University

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The Hartford Seminary Foundation

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ACHINSTEIN, Peter Jacob. A study of confirmation theory.

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University of Illinois

CARLOYE, Jack Cloyd. Reason as a natural function in the philosophy of John Dewey.

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MARTIN, Bernard. The philosophical anthropology of Paul Tillich.

Indiana University

ANTON, Peter. Empiricism and analysis.

KLEIS, Sander J. Brightman's idea of God.

OWSLEY, Richard Mills. The moral philosophy of Karl Jaspers.

SMYTH, Richard Andrew. Kant's theory of reference.

State University of Iowa

VAN LEEUWEN, Hendrik Gerrit. The problem of certainty in English thought from Chillingworth to Locke.

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BARRETT, JR., Robert Burke. C. I. Lewis's analytic method.

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Université Laval

COTE, André. La logique de la première opération.

University of Michigan

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HARRISON, Bernard Joseph. Meaning and understanding: an essay in the philosophy of language.

HEIN, Hilde Stern. Theories of aesthetic inspiration.

HOLMES, Robert Lawrence. John Dewey's ethics in the light of contemporary meta-ethical theory: an analysis and interpretation of his account of the nature of moral judgments.

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LIDDELL, Brendan Edwin Alexander. Motives and intentions.

MAVRODES, George Ion. The concept of a direct experience of God.

ROSTHAL, Robert Bernard. Privacy and the concept of the person in Marcel and Strawson.

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WAINWRIGHT, William Judson. Religious feelings and religious statements.

Michigan State University

GEORGE, Rolf Armin. The problems of the infinite and the continuum in some major philosophical systems of the Enlightenment.

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University of Minnesota

DRETSKE, Frederick Irwin. Space, time and substance: a philosophical inquiry.

DUKELOW, Owen Warner. Herbert Butterfield: the epistemology of a working historian.

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STEVENS, Pearl Ray. The idea of God in the philosophy of Paul Tillich.

New School for Social Research

ZANER, Richard Morris. Contributions to a phenomenology of the body.

New York University

EZORSKY, Gertrude. Truth as a warranted performance: a synthesis of John Dewey's and P. F. Strawson's concepts of truth.

GALE, Richard Milton. Time in analytic philosophy.

Northwestern University

CARLSSON, Percy Allan. The theistic framework of Butler's ethics.

SWENSON, Esther C. Towards philosophical dialogue as philosophy of culture.

University of Notre Dame

FAIRBANKS, Matthew Jerome. C. S. Pierce and nineteenth century positivism.

GRUENENFELDER, John Bernard. Plato's theory of scientific knowledge in the later dialogues.

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NELSON, Ralph C. Jacques Maritain's conception of "moral philosophy adequately considered."

NUGENT, Francis R. The nature and properties of immanent action.

University of Pennsylvania

BOHNERT, Herbert Gaylord. The interpretation of theory.

MAYEDA, Sengaku. The Upadésasāhasrī of Sankarācārya, critically edited with introduction.

RIEMAN, JR., George Frederick. Foundations of acceptance.

ROSE, Lynn Edmondson. Hypothesis and deduction in Plato's methodology.

Princeton University

DeLONG, Howard. The development of R. G. Collingwood's theory of history.

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MANIER, August Edward. The meaning of *Nature* in the philosophy of Leibniz.

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ROULEAU, S.M., Sister Mary Celeste. The place of love and knowledge in human activity according to selected texts of Saint Thomas Aquinas.

VAN DOMELLEN, S.S.M.O., Sister Mary Ermelinda. The philosophical method of Edgar Sheffield Brightman.

Stanford University

KING-FARLOW, John. Future truth: some metaphysical puzzles.

The University of Texas

YOUNG, James Anthony. Knowledge of good in Moore and Aquinas.

University of Toronto

KLOPKE, John Robert. Malebranche's theory of natural judgement.

MONTGOMERY, William R. Hammond. A critical study of Alfred North Whitehead's philosophy of education in the light of its historical, biographical, and metaphysical backgrounds.

PAYZANT, Geoffrey Barss. Art invention as discovery and elaboration.

RIORDAN, Joseph. Form and intellect in Averroes.

SCULLY, John Patrick Edgar. Reality and truth in Thomas of York: study and text.

STEWART, David Drysdale. Cultural forces in the works of R. A. Schröder.

STOKES, Thomas John. William of Cockham's doctrine of science.

Tulane University

ANDERSON, Daniel Erwin. An objectification theory of aesthetic value.

CORMIER, Ramona Theresa. Toynbee and the problem of historical knowledge.

University of Virginia

HARRISON, III, Frank Russell. Concerning the possibility of a general theory of analogy.

RAYNOR, III, Owen Nicholas. Philosophical doubt.

SCOTT, George Edward. The formal and informal logics of modality.

University of Washington

ARBINI, Ronald Anthony. The natural law tradition and its influence on Hobbes's concept of obligation.

The University of Wisconsin

BAUMER, William Harry. The problem of meaning in religious language.

THOMAS, JR., Sid Barm. Acquaintance and complex objects in Bertrand Russell's early work.

Yale University

AL-AZM, Sadik Jalal. The moral philosophy of Henry Bergson.

BALLARD, Kaith Emerson. A refined utilitarian theory of obligation.

BRODSKY, Garrett Martin. John Dewey's theory of inquiry.

BROUWER, Frederick Earle. James Martineau: a study of an ethical position based upon motives.

BUONOCORE, Gloria Petra. An approach to linguistic signs and their designata.

CANNON, JR., James Joseph. The development of logic in the Dominican school.

EHMAN, Robert Ray. The objective reality of the principles of reason.

ISEMINGER, Gary Hudson. Action, policies and principles.

KNOX, JR., John. Can we still believe in correspondence? An attempted vindication of the correspondence theory of truth in the face of contemporary challenges.

KREMER, Elmar Joseph. Malebranche and Arnauld: the controversy over the nature of ideas.

LACHS, John. A critical examination of Santayana's philosophy of mind.

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MCCLEARY, Richard Calverton. Existential thinking in America, 1918-1941: the advent of a style.

MCGRADY, Arthur Stephen. Public religion—a study of Hooker's "polity" in view of current problems.

MCLANE, JR., Henry Earl. Kierkegaard's use of the category of repetition: an attempt to discern the structure and unity of his thought.

NEEDLEMAN, Jacob. The role of the existential a priori in the work of Ludwig Binswanger.

O'CONNOR, Daniel Denis. Intentionality and the phenomenology of human awareness.

VANDER VEER, Garrett Lowell. Bradley's theory of the self.

PHYSICS

GENERAL

University of Alabama

MANN, Robert Alexander. The depolarization of negative mu mesons.

University of Alaska

- AKASOFU, Syun-Ichi. A study of magnetic storms and auroras.
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Boston University

- STEVENS, Carl Alden. Consideration of certain vibrational modes of polarized multi-resonant barium titanate transducers.

University of British Columbia

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- DERMIT, George. Alternant orbitals in crystals.
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University of California, Los Angeles

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- NAKANO, George H. Relative stopping power of some metallic elements for 28.7 Mev protons.
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- RASSMUSSEN, Robert A. Resonance absorption in solid cyclohexane.
- SCHWARTZ, Kenneth. The stability of the diffuse linear pinch with an anisotropic pressure tensor.

California Institute of Technology

- BEN-MENAHEN, Ari. Radiation of seismic surface-waves from finite moving sources.
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SMITH, Stewart Wilson. An investigation of the earth's free oscillations.

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Carnegie Institute of Technology

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Case Institute of Technology

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ROSETTE, King Harry. Temperature dependence of magnetization in thin nickel films.

WOOD, Van Earl. Electronic band structure of cesium gold.

YELON, Arthur Michael. Fiber texture and magnetic anisotropy in evaporated iron films.

The Catholic University of America

BARRY, Jeremiah H. Ultrasonic attenuation near the order-disorder transition point of the second-order.

GUTSCHE, Graham D. Proton strength functions from (p,r) reaction yields.

LARKIN, Reverend William Joseph. A study of the Cherenkov yield at high energies.

MARCHESSAULT, Brother Joseph G. Ultrasonic absorption in the molten chlorides.

RUDLIN, Leonard. An approximate solution of the flow within the reaction zone behind a spherical detonation wave in TNT.

University of Chicago

JONES, Frank Culver. Cosmic ray production of low-energy gamma rays.

KERNAN, William. Charge exchange scattering of negative pions on hydrogen at 150 Mev.

KOBRAK, Hans Georg Eduard. Internal pairs from π -proton interactions at rest.

LEBOVITZ, Norman Ronald. The equilibrium stability of a system of disk dynamics and the virial tensor and its application to self-gravitating fluids.

MARCH, Robert H. Positive pion production in p-p collisions at 420 Mev with polarized protons.

MARCOWITZ, Stewart. Asymmetry in the elastic scattering of polarized protons by deuterium.

SPECTOR, Harold Norman. Magneto-acoustic effects in tilted magnetic fields.

University of Cincinnati

WEBELER, Raynor W. H. Viscosity X density measurements for normal liquid hydrogen and various ortho-para mixtures.

University of Colorado

WILCOX, Ralph Myron. A computer method for calculating dirac traces with applications to quantum electrodynamics.

Colorado School of Mines

COOLBAUGH, David F. The mechanism of induced polarization and its decay.

HADSELL, Frank A. Scattering of an elastic disturbance by a random medium.

HYUN, Byung Koo. Seismic energy absorption analysis by relaxation time.

Columbia University

FAUST, Walter Luck. Hyperfine structure of the $(5p)^5 (6s) ^3P_2$ state of 54^{X*129} and 54^{X*131} .

FRATI, William. Fine structure splitting of the 2P state in Pb μ -mesonic atoms.

LAYZER, Arthur. The free-propagator expansion in the evaluation of the lamb shift.

STERNHEIM, Morton Maynard. a^2m, M corrections to hyperfine structure in atomic hydrogen.

STRAUSS, Walter. Enhanced harmonic generation in magnetrons.

THADDEUS, Patrick. Hyperfine structure in the microwave spectrum of HDO, HDS, CH₂O, and CHDO. Beam maser spectroscopy on asymmetric top molecules.

WHITFIELD, George Danley. Theory of electron-phonon interactions. [Reprint from *The Physical Review*, Vol. 121, No. 3, 720-734, February 1, 1961.]

ZWANZIGER, Daniel E. α^3 corrections to hyperfine structure in hydrogenic atoms.

The University of Connecticut

BULMAN, John Bradley. Multiple ionization by high energy atomic collisions.

LANE, JR., George Homer. Ion-atom potential energy functions obtained from Kev scattering data.

Cornell University

FRITZ, Joseph Newton. The free modes of vibration of a Fermi-Dirac gas.

PETERSON, JR., Thomas Jefferson. The soft x-ray continuous spectrum from low energy electrons in the 80A-180A region.

SANDERS, James Vincent. A photomultiplier-Schlieren for acoustic measurement and some investigations of the Kunot's tube.

Duke University

ADAMS, Earnest Dwight. Nuclear magnetic susceptibility of solid He^3 below 1°K .

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The University of Florida

CHATTERTON, Neil Ellis. Spectral characteristics of the radio-frequency outbursts of the planet Jupiter.

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SHORTT, Brian A. A study of the fluorescence of organic scintillant materials.

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CLAYTON, JR., Lorimer. Molecular constants of nitril chloride from microwave spectrum analysis.

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KNOLLMAN, Gilbert Carl. A quantum mechanical cell model of a dense boson system.

Harvard University

AMITH, Avraham. The electronic states of the fluorine molecule.

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University of Illinois

HOLLOWAY, JR., William Weller. A contribution to the study of the N^{14} - N^{15} hyperfine structure.

MARSHALL, Thomas Carlisle. Experimental study of the diamagnetism of the electron gas in gaseous plasmas with electron and nuclear spin resonance techniques.

WESTLUND, Clay David. A study of radio waves scattered from field-aligned and other ionospheric irregularities.

Illinois Institute of Technology

CARNEY, Rose Agnes. Vibrational spectra, assignments, potential constants, and calculated thermodynamic properties for hexahaloethanes.

KAPLAN, David M. Magnetic moments of the moving non-relativistic nucleon.

REINBERG, Alan R. Transient bleaching of F-centers in potassium chloride.

SACHS, Lester Marvin. A theoretical study of simple many-electron systems.

Indiana University

JOHNSON, William Pierre. Polarization of proton from (d,p) reaction C^{12} , Mg^{24} , and Ca^{41} .

KOCHER, Charles William. The nuclear disintegrations of Fe^{52} , Fe^{53} , and Te^{119} .

NAINAN, Theckudukath Daniel. Half-lives certain nuclear levels.

SMITH, Donald Roland. Shape of beta spectra of once forbidden transitions in the decays of Ga^{72} , La^{140} , Eu^{154} , Eu^{152} , and Sb^{124} .

The Institute of Paper Chemistry, affiliated with Lawrence College

SANBORN, Bruce Irwin. A study of irreversible, stress-induced changes in the macrostructure of paper.

SCHULZ, John Hampshire. The effect of strain applied during drying on the mechanical behavior of paper.

State University of Iowa

ELLIS, Jason Arundel. Phenomena related to the anomalous dielectric constant of quartz.

Iowa State University of Science and Technology

LYNCH, Philip James. High-energy potential scattering.

VALLEY, Leonard Maurice. Dispersion of ultrasound in ethanes, ethylene, and methanes.

WATSON, Clayton Wilbur. Monte Carlo determination of neutron capture distributions in thin iron and water regions.

The Johns Hopkins University

HOVIS, JR., Warren Allen. Time resolved studies in the spectra of rare earth ions.

IZATT, Jerald Ray. Self and foreign gas broadening in the pure rotation spectrum of water vapor between 475 and 690 wave numbers.

MANDELBERG, Hirsch Israel. An experimental measurement of relativistic time dilation.

STRAND, Richard Carl. Systematics of K α interactions at rest in helium.

YANG, Chen-Ping. An approach to the three-dimensional ising problem using a large scale fast digital computer.

ZIPF, JR., Edward Charles. Transient studies of de-ionization processes in the nitrogen afterglow.

Kansas State University

FRY, Richard Kent. Effects of crystallographic transformations on the photoelectric emission from uranium.

Université Laval

BOIVIN, Albéric. Théorie et calcul des figures de diffraction de révolution. (*Canadian Journal of Physics* 34: 166-178 (1956).)

MARMET, Paul. Perfectionnement d'un sélecteur d'électrons et étude de quelques ions moléculaires. (*Canadian Journal of Physics* 38, 787 (1960).)

TREMBLAY, Réal. Nouveaux types d'interféromètres micro-ondes pour l'étude de la diffraction. (*Canadian Journal of Physics*, Vol. 39 (1961).)

Lehigh University

SMITH, Stanley Fred. The influence of gravitational radiation reaction on the motion of two bodies in the general theory of relativity.

University of Maryland

FUGITA, Shigeji. Quantum statistical pair distribution function. General theory and its application to the electron gas.

GLICK, Arnold Julian. Dielectric constant and pair distribution function of the degenerate electron gas.

KNIGHT, James Milton. Strict localization in quantum field theory.

KOHIN, Roger Patrick. Chlorine hyperfine interaction in free radical electron spin resonance-irradiated single crystals of chloracetamide and chloracetic acid.

SHEN, Chun-Shan. Dispersion relation for the electron impact width and shift of an isolated line.

Massachusetts Institute of Technology

BRADT, Hale Van Dorn. Polarization of cosmic ray mu mesons at sea level and underground and its relation to meson production at high energies.

CLINE, Thomas Lytton. Investigation in high-energy gamma-ray astronomy.

LITTLEFIELD, Eldred Brian. Microwave response of ethyl alcohol and ethyl bromide and its pressure dependence.

OLIVER, David Webster. Atomic recombination rates in diatomic gases.

PALMEIRA, Ricardo Antonio Ribeiro. Study of some aspects of cosmic ray variations.

University of Michigan

GUERNSEY, Ralph Lewis. The kinetic theory of fully ionized gases.

MAKER, Paul Donne. Stark effects in the near infrared spectra of simple polyatomic molecules.

SCHENSTED, Irene Verona. Contributions to the theory of hydrodynamic stability.

Michigan State University

HAGELBERG, Myron Paul. The diffraction of linearly polarized light by ultrasonic waves in transparent sounds.

HARGROVE, JR., Logan E. Some effects of progressive ultrasonic waves on light beams of arbitrary width.

ZIMMERMAN, W. Bruce. Infrared absorption spectra of isotopically-enriched lithium hydride.

University of Minnesota

ERICKSON, Glen Walter. Formal techniques in the lamb shift calculation.

University of Missouri

MILLER, Melville Howard Akeley. Small angle x-ray scattering from randomly oriented cylinders of arbitrary cross section.

STIRPE, Dante. X-ray diffraction from liquid neon.

The University of Nebraska

KUYATT, Chris Ernie Earl. Energy and angular distribution of secondary electrons produced by 50-100 Kev protons in hydrogen gas.

New Mexico State University

HINCHEY, Fred. A solution to a type of singular integral equation occurring in mathematical physics.

TAYLOR, Leonard Stuart. A theoretical investigation of the index of refraction of an ionized gas.

New York University

BOHACHEVSKY, Ihor O. Simple waves and shocks in a system of conservation laws.

ENGELHARDT, Jacob. Solitary waves in two-layer systems where the upper layer has a continuous density variation while the lower layer has constant density.

FOX, David Lawrence. Perturbation methods in a problem of wave-guide theory.

FRIEDMAN, Manfred. Two problems in transonic fluid dynamics.

HURLEY, James Patrick. Interaction between the solar wind and the geomagnetic field.

REIDY, William Patrick. A study of high altitude neutron distribution.

RICHTOL, Herbert Harold. An investigation of the measurement of refractive index and dispersion by a photometric technique.

SOLOMON, Leonard Raymond. The dosimetry of natural ionizing radiation.

TREACY, Edmond Brian. The hyperfine structure of the $3_2 \rightarrow 3_3$ and $5_2 \rightarrow 5_3$ rotational transitions of HDO.

The University of North Carolina

HUBBARD, Robert LeRoy. Determination of vibrational force fields in polatomic molecules and an application to the deuterioethanes.

MEMORY, Jasper Durham. Nuclear magnetic relaxation in liquid hydrogen bromide.

North Carolina State College

MOWERY, JR., Alfred Leroy. The application of the methods of function space to reactor analysis.

Northwestern University

HIROTA, Ryogo. The grand partition function as average of a functional of Gaussian random functions.

KAHN, Peter B. Special problems in abstract field theory.

University of Notre Dame

DECK, Robert T. Problems in inelastic electron scattering.

MORGAN, Donald Richard. The kinetics of oxygen and strontium oxide on molybdenum by field electron microscopy in the temperature range 1000° K.—1900° K.

SCHWERDTFEGGER, Charles F. A study of the decay of Eu^{148} , Pm^{148} and Pm^{148m} to levels in Sm^{148} .

WEBER, Thomas Anthony. Coulomb scattering of polarized electrons.

The Ohio State University

BAUM, John Lewis. Solid helium³ below 1°K.

KURTZ, Stewart Kendall. The rotation-vibration energies of the general polyatomic molecule calculated to fourth order of approximation.

PATTY, Richard Roland. Temperature effects associated with pressure-modulated infrared spectra.

WHEELER, JR., Samuel Crane. A study of the quadratic and cubic portions of the potential energy function in valence coordinates for some isotopic forms of the methane molecule.

YARGER, Frederick Lynn. The infrared vibration-rotation absorption bands of methyl cyanide and methyl fluoride.

The University of Oklahoma

HOLLAND, Redus Foy. The infrared spectra of single crystals of compounds with long methylene chains.

RINEHART, Edgar Allen. Measurement of the widths of microwave spectral lines.

SIBLEY, William Arthur. Dislocation networks and vacancies in ionic crystals.

Oregon State University

PERRY, Richard Lee. Field emission current from silicon as a function of applied potential.

University of Pennsylvania

IIZUKA, Jugoro. I. Dispersion relation for the virtual-pion nucleon scattering. II. The single pion production in nucleon-nucleon collision.

JAREM, John. Taylor instability of an incompressible plasma under a variable acceleration.

The Pennsylvania State University

BIRTLEY, Willard Bebb. Perturbation of the vibration-rotation spectra of HC^{135} in the presence of rare gases.

EASTMAN, Daniel Robert Peden. Part A: The $2\nu_3$ band of methane. Part B: Equilibrium bond lengths of hydrogen cyanide.

HASLUND, Ralph Leslie. Interaction of a shock wave with a step boundary layer of high sound speed gas.

MILLER, Hillard Craig. Positive pulse thickness of a mach 20-35 shock wave in air.

ODA, Fujio. Experimental studies of propagation distortion of finite amplitude noise.

University of Pittsburgh

ARMSTRONG, James Calvin. Analysis of some deuteron-induced reactions in oxygen-18.

BASSEL, Robert Harold. A "distorted" wave calculation of the capture of electrons by protons passing through atomic hydrogen.

BLAIR, Allen Guyan. (d,p) and (d,t) reactions on the silicon isotopes.

HUSHFAR, Farid. Formation of negative ions in carbon monoxide by charge transfer.

MEAD, James Barry. A low resolution survey of (d, α) reactions in heavy nuclei.

PEARSON, James Joseph. Some multiple electron problems in the theory of magnetism.

WACKMAN, Peter Husting. A three-body model of Li^6 .

Princeton University

BENOIT, John William. Selected topics in the interaction of spin zero bosons with the electromagnetic field.

BRANS, Carl Henry. Mach's principle and a varying gravitational constant.

BROWN, William Stanley. On the analytic properties of the vertex function with mass spectral conditions.

BUSSARD, Robert William. An energy principle for the stability of hydromagnetic plasmas in equilibrium motion.

EDWARDS, Kenneth Westbrook. The Mandelstam representation for dirac potential scattering.

KING, Harry Frederick. Rotational states of a rigid tetrahedron in a cubic crystal.

McKENNA, James. On analytic regularization in relativistic quantum field theory.

MILLER, III, John Henry. The position spectra of V^{46} , Mn^{50} , Co^{54} , and Cu^{58} .

SCHAY, Géza. The equations of diffusion in the special theory of relativity.

WAKANO, Masami. Foundations for a treatment of the scattering of light by the hydrodynamical and statistical atom model.

Purdue University

DAMON, Dwight Hills. Donor susceptibility in germanium.

FESSEL, Rafael. Pion photoproduction in hydrogen and deuterium.

KLEIMAN, Herbert. The arc spectrum of cesium.

PLOUGHE, William Dale. Angular distributions of alpha particles and protons from the reactions $\text{N}^{14}(\alpha, \alpha)\text{N}^{14}$, $\text{Na}^{23}(\alpha, p)\text{Mg}^{26}$, $\text{Al}^{27}(\alpha, p)\text{Si}^{30}$, and $\text{Si}^{28}(\alpha, p)\text{P}^{31}$ at 19 Mev.

RAY, Rajat Kumar. Impurity conduction in silicon.

Rensselaer Polytechnic Institute

BURSIK, Joseph W. A thermodynamic study of two phase regions.

GOEDECKE, George H. Quantum mechanical potential scattering by a positive definite variational principle.

SCARFONE, Leonard M. Investigations on models in field theory.

The University of Rochester

BRYAN, Ronald Arthur. A semiphenomenological p-p potential model.

SCHNITZER, Howard Joel. Pion production and the second pion-nucleon resonance.

Rutgers University

GAYLEY, JR., Robert Inglais. Low temperature specific heat of alloys of tin.

KISSINGER, Paul Bertram. Measurements of relaxation parameters in caesium chromium alum samples by paramagnetic resonance absorption techniques.

St. Louis University

CHERRY, JR., Jesse Theodore. A line source of SH waves overlying a plane boundary separating two semi-infinite elastic media.

University of Southern California

HOOVER, Martin Edward. Isotope shift in the atomic spectrum of silicon.

Stanford University

BUTLER, Harold Sims. Plasma sheath formation by RF fields.

DAVIS, JR., Lawrence William. The statistical basis of hydrodynamics and kinetic theory.

NELSON, Raymond Adolph. Statistical mechanical basis for the second law of thermodynamics.

SAUNDERS, Edward Monell. The ground state of solid helium three.

Syracuse University

DANIELS, Theodore Curtis. The relative importance of memorizing ability and reasoning in general physics.

ENGELER, William E. Impurity energy levels in indium antimony.

KASTNER, Sidney Oscar. Central force models for crystals of calcite and of aragonite-type, derived from ramon and infrared frequencies.

PERINI, José. A side-fire helical antenna.

STIERWALT, Don Lee. Infrared spectral emissivity of optical materials.

Temple University

ROSS, Sidney. Momentum transfer to a small particle by a pulsed plasma.

The University of Tennessee

BURT, Philip Barnes. Part I. Quantum kinetic equations for plasmas and radiation; Part II. Cyclotron instabilities in a bounded plasma.

The University of Texas

BELFI, Charles Allen. K energy levels of copper and chromium.

REYNOLDS, Robert Eugene. Lithium-helium interaction energy and the effect of helium pressure on the $^2\text{S}_{1/2} \rightarrow ^2\text{P}_{1/2}$ transition in lithium.

Agricultural and Mechanical College of Texas

DeWAMES, Roger. Application of the Franck-Condon principle to the XY_2 molecule.

MITCHELL, Richard Warren. Spin lattice relaxation times in solutions.

University of Toronto

ARMSTRONG, Robin Louis. The influence of foreign gases at high pressures on the infrared and raman spectra of carbon monoxide, methane and methane-d₄.

BAKER, Robert George. The photoneutron direct effect.

OLAFSON, Raymond Albert. Raman spectroscopy of gases: (a) The spectrum of CD₄. (b) An attempt to observe resonance raman spectra.

SWEENEY, David Michael Currie. High resolution raman spectroscopy of gases: methane-d₃, ethane-d₆, and butadiene.

Tufts University

KANG, Yong Woo. Σ -hyperon capture stars on heavy nuclei.

University of Utah

HUBER, Robert John. Internal friction in aluminum oxide crystals.

University of Virginia

BOYLE, Richard Donald. Ultracentrifugation: the use of the ultracentrifuge as an analytical tool in biochemistry.

LAWRENCE, JR., James Donald. Correlation of radio star and artificial earth satellite scintillation.

WADE, JR., James Paul. Rotational energy losses of an ultracentrifuge.

WALKER, William Scott. Scattering of 15.2 Mev. neutrons by complex nuclei.

WILLIAMS, Charles Eugene. A magnetically suspended molecular pump for producing high vacuum.

Washington University

GUSS, Donald Eugene. The primary cosmic-ray alpha-particle energy spectrum at a time near solar maximum.

MONNIG, George Osmond. A search for a mass 550 particle.

RUDMAN, Sanford Winton. Production and use of oxygen-15 as a biological tracer.

WILLIAMS, Clayton Drews. On the ground-state energy of liquid helium II.

University of Washington

ANDERSON, Roger H. A cloud chamber study of the scattering of cosmic ray muons in copper and in lead.

HEGGIE, Leslie David. A study of the scattering of accelerator produced 2.0 bev/c mu mesons by carbon and lead.

KIM, Chang Young. Single scattering of 2 bev/c muons in nuclear emulsions.

LIEBER, Albert John. An investigation of the nuclear reactions C¹²(α ,p)¹⁵*, A¹²⁷(α ,p)³⁰* and P³¹(α ,p)³⁴* at 42 mev.

MADSEN, Victor Arviel. Photoemission and radiative capture of deuterons.

MAHON, JR., Harold Patterson. Acoustic excitation of nuclear spin transitions in NaCl.

McDANIELS, David Keith. Nuclear reaction studies at intermediate energies.

SCHMIDT, Victor Hugo. Deuteron jumping in KD₂PO₄.

WATANABE, Shiguo. Coupling of a single nucleon to a triaxially deformed core.

Washington State University

RAWLINS, Stephen L. A theoretical and experimental examination of the validity of diffusion analyses as applied to unsaturated flow of soil water.

Wayne State University

GINSBERG, I. William. The hydromagnetic stability of rotating spherical shells of fluid with distributed heat sources.

The University of Wisconsin

ANDERSON, Owen Thomas. Helium II film profile and relative importance of height and surface pressure.

BIRNBOIM, Meyer Harold. Dynamic mechanical properties of polymeric liquids and gels.

GUEST, Gareth Eugene. Time-reversal invariance in strong interactions.

Yale University

BACHMAN, Alvin Herbert. The interactions of negative K mesons in flight in nuclear emulsion.

BRITT, Harold Curran. Nuclear reactions induced by C¹² and O¹⁶ projectiles.

BROEK, Howard Windolph. Neutron emission from compound systems of high angular momentum.

FICKINGER, William Joseph. Elastic scattering and single pion production in proton-proton interactions at 2.0 Bev.

KRITZ, Arnold Herman. The Boltzmann equation for a plasma.

MCCOLM, Douglas Woodruff. Depolarization of positive muons in argon and observation of the precession of the magnetic moment of muonium.

MESERVEY, Robert Hilton. An optical study of the dynamics of liquid helium.

REPPY, John David. Behavior of rotating liquid helium.

SANFORD, James Richard. The production of sigma hyperons from the interactions of positive PI mesons with protons.

SHIVELY-PELLICER, Frank Thomas. On the existence of a meson of strangeness two.

SMITH, Gerald Allen. Proton-proton interactions at 2.85 Bev.

STONE, Robert. The dependence of acoustic scattering on the temperature microstructure of the transmitting medium.

TICE, Gregory. The magnetic moment of the 14-KEV excited state of iron 57.

ZORN, Jens Christian. Experimental limits for the electron-proton charge difference and for the neutron charge.

ELECTRONICS AND ELECTRICITY

University of Alabama

DOZIER, JR., James Buchanan. Solar radiation and atmospheric attenuation at 4.3 millimeters wavelength.

Boston University

KAHALAS, Sheldon Lee. The electronic structure of LiH and Li₂ and the quadrupole moment of Li⁷.

University of California, Berkeley

AGGSON, Thomas Leland. Ionization by extremely relativistic electrons.

DESILVA, Alan Woodruff. Experimental study of hydromagnetic waves in plasma.

PAULIKAS, George Algis. The positive column in a longitudinal magnetic field.

University of California, Los Angeles

SMITH, Edward J. The propagation of low-audio frequency electromagnetic waves.

University of Chicago

CHILTON, Frank. Pion production in electron-positron collisions.

University of Cincinnati

LUNDGREN, JR., Carl William. An instrument for measuring the absolute velocity of a ship. Measurement of space derivatives of the earth's magnetic field from a translating reference frame.

Cornell University

LAASPERE, Thomas. An analysis of the effect of an imposed magnetic field on the spectrum of incoherent scattering.

LITVAK, Marvin Mark. A transport equation for magnetohydrodynamic waves.

The University of Florida

KENDALL, Harry White. A study of the time lag of gas breakdown in reversed electric fields.

Indiana University

SCOFIELD, James Howard. Scattering of polarized electrons by polarized deuterons.

Lehigh University

JOHANNES, Robert. The use of dielectrophoresis to determine the static dielectric constant of semi-dielectrics.

McGill University

SEGAL, Benny. Noise in an electron gun as a function of frequency and voltage.

Michigan State University

WIGEN, Philip Eugene. Paramagnetic resonance absorption in several electron irradiated molecular crystals.

The University of New Mexico

BARCUS, James Roy. Size-spectrum and lateral distribution of electronic energies of extensive air showers.

New Mexico State University

MILLER, August. Experimental and theoretical investigations of the secondary electron emission phase angle distributions in a low-pressure multipacting electrical discharge.

New York University

ZUCKER, Joseph. The experimental investigation of the properties of hot carriers in semiconductors.

The Ohio State University

DUGA, Jules Joseph. An analysis of electrical properties of the plastically deformed semiconductor indium antimonide.

The Pennsylvania State University

CARLSON, Herbert Neil. Experimental and theoretical studies of ionospheric echo polarization over the swept frequency range 50-1000 kc/s.

Stanford University

LAURITZEN, Peter Owen. Experimental measurements of $1/f$ noise in germanium filaments.

PESCHON, Jean. A modified form of the mellin transform and its application to the optimum final value control problem.

SHAW, Alan W. Investigations of noise reduction in electron beams by means of low-potential regions.

WILSON, Robert Norton. Large-signal space-charge theory of Klystron bunching.

Syracuse University

KHARE, Bishun Narain. The electronic emission and absorption for various molecules.

Temple University

ADLER, Simpson Beral. Investigation of the scattering of electromagnetic energy from spheres in the critical size region.

University of Virginia

HOLLINGER, James Pippert. An investigation of the correlation method for the analysis of radio star scintillation.

METEOROLOGY

University of California, Berkeley

D'ARCY, JR., Raymond George. Balloon observations of solar protons in the auroral zone during July 1959.

University of Chicago

CARSON, James Estle. The response of soil temperature to meteorological conditions.

COLÓN, José Angel. On the heat balance of the troposphere and water-body of the Caribbean sea.

HOFFER, Thomas E. A laboratory investigation of droplet freezing.

MIHALJAN, John Manuel. A rigorous exposition of the boussinesq approximations in the hydrodynamical equations.

The Florida State University

LONG, William H. Extension of a theory of long waves on a baroclinic westerly current.

Massachusetts Institute of Technology

BLANCHARD, Duncan Cromwell. Electrification of the atmosphere by particles from bubbles in the sea.

JENSEN, Clayton Everett. Energy transformation and vertical flux processes over the Northern Hemisphere.

McGill University

BOVILLE, Byron Walter. A dynamical study of the 1958-59 stratospheric polar vortex.

JACKSON, Charles Ian. The meteorology of Lake Hazen, Ellesmere Island, N.W.T.

WALKER, Edward Robert. A synoptic climatology for British Columbia.

University of Michigan

MILLY, George Harwood. Meteorological aspects in the analysis of community air pollution as a factor in lung cancer and other degenerative diseases.

New York University

CLODMAN, Joseph. Clear air turbulence in the 20,000 to 50,000 foot layer.

DUQUET, Robert Theodore. Diabatic effects in a multi-layer model of the lower troposphere.

St. Louis University

BATES, Ferdinand Charles. The Great-Plains squall-line thunderstorm—a model.

Agricultural and Mechanical College of Texas

FRANCESCHINI, Guy Arthur. Hydrologic balance of the Gulf of Mexico.

University of Washington

HAVARD, Jesse Boyd. On the radiational characteristics of water clouds at infrared wave lengths.

The University of Wisconsin

HORN, Lyle Henry. A statistical analysis of the relationship between the kinetic energy and potential energy of the atmosphere.

NUCLEAR

Brandeis University

BARAGAR, Francis Alvin. On dispersion relations for inelastic processes.

CHILDRESS, James Delmar. Possible physical effects of a meson intermediary in weak reactions.

NUTT, Gerald LeRoy. The ground state energy of a coupled source-field system and the two nucleon potential.

University of British Columbia

LIPSICAS, Max. Proton magnetic resonance measurements in gases.

PAYNE, Frank Alden. A ring collection spectrometer investigation of the decay of Sb 125.

SCHNEIDER, Harvey Roy. Beta and gamma ray spectroscopic analysis of the radiations emitted in the decay of selenium⁷⁵.

The University of Buffalo

COLE, C. Daniel. Forbidden lines in the spectra of singly ionized bismuth and lead.

University of California, Berkeley

BALL, James Stutsman. The application of the Mandelstam representation to photo-production of pions from nucleons.

BLANN, Herbert Marshall. Fission of gold with 112 Mev C¹² ions: mass and charge-distribution characteristics.

CABEZAS, Amado Yanglay. Electronic and nuclear properties of some radioactive rare-earth elements.

CZIFFRA, Peter. The two-pion exchange contribution to the higher partial waves of nucleon-nucleon scattering.

- DESAI, Bipin Ratilal. Low energy pion photon interaction: the $(2\pi, 2\gamma)$ vertex.
- DEVLIN, JR., Thomas J. $\pi^\pm - p$ total cross sections in the range 450 Mev to 1650 Mev.
- DYER, John Norvell. Charged Σ hyperon production and decay: energetics, lifetimes, and branching ratios.
- ELDRIDGE, JR., Owen Clyde. The production of anti-nucleons by pions.
- ELIOFF, Tommy. Antiproton-nucleon cross sections from 0.5 to 1.0 Bev.
- FLAMM, Eileen Joy. Perturbation of alpha-gamma angular correlations in transuranium isotopes.
- FOOTE, James Herbert. Scattering of positive pions on protons at 310 Mev: recoil-nucleon polarization and phase-shift analysis.
- FRYE, Graham Eugene. Theory of the low-energy pion-K meson interaction.
- GATES, Duane Charles. Electron triplet production by high-energy photons in hydrogen.
- GILMORE, John. The effect of angular momentum of fission probability.
- GOOD, Robert Howard. Regeneration of θ_1 mesons in a thirty-inch propane bubble chamber.
- GORDON, Glen Everett. Fission and spallation in nuclear reactions induced by heavy ions.
- GOSSARD, Arthur Charles. Nuclear magnetic resonance in ferromagnetic materials.
- HARTMANN, Sven Richard. Double nuclear resonance spectroscopy of rare spins.
- HINRICHS, Curtis Keith. Charge exchange production of antineutrons and their annihilation in hydrogen.
- HISKES, John Robert. I. The liquid drop model of fission: equilibrium configurations and energetics of uniform rotating charged drops. II. Dissociation of molecular ions by electric fields.
- HOFFMAN, Dennis Gerald. The elastic scattering of 24-Mev deuterons.
- KALBFLEISCH, George Randolph. A study of K mesons in antiproton-proton annihilation.
- KRUGER, Hans Wilhelm. Momentum dependence of the asymmetry in muon decay.
- LARSEN, Rudolf Reinhold. Experiments on neutron-proton scattering and determination of the pion-nucleon coupling constant.
- LEE, Wonyong. Charge exchange scattering of positive K-mesons on deuterons.
- LEIFSON, Olaf Sand. Nuclear relaxation and dynamic orientation in hydrated crystals at low temperatures.
- LONGO, Michael Joseph. Nucleon and nuclear cross sections for positive pions and protons above 1.4 bev/c.
- MARSHALL, Thomas Vincent. I. Beta-spectroscopic studies in the promethium region. II. The Coriolis interaction in deformed nuclei.
- MASON, Conrad Jerome. The Λ -hyperon mass and energy spectrum from the nuclear capture of negative K mesons.
- MOORE, Thomas Warner. Cyclotron resonance in copper.
- MORTON, III, John Robert. Investigation of nuclear reactions by recoil studies of radioactive products.
- NORDIN, JR., Paul. s and p wave interactions of K⁻ mesons in hydrogen.
- PETERSEN, Fred Russell. Atomic beam research on the spins, hyperfine structures, and moments of K⁴³, Y⁹⁰, La¹⁴⁰, and Lu¹⁷⁷.
- ROZSNYAI, Balázs Francis. On a self-consistent nuclear model.
- RUIZ, Carl Phillip. Alpha decay studies in the families of the light uranium isotopes.
- SCHONE, Harlan Eugene. Nuclear magnetic resonance in intermetallic compounds.
- SHONLE, John Irwin. Differential elastic pion-proton scattering at 600, 650, and 750 Mev.
- SLAGGIE, Eucharius Leo. Asymptotic properties of three-body non-relativistic wave functions.
- STUART, Travis Parker. Elastic scattering of 24-Mev neutrons by Al, Fe, Sn, and Bi.
- SWANSON, William Paul. Photopion production from deuterium near threshold.
- VIOLA, JR., Victor E. Angular distributions from heavy-ion-induced fission.
- WEGER, Meir. Nuclear magnetic relaxation in ferromagnetic metals.
- WERTHAMER, Nathan Richard. Nucleon polarizability correction to high-energy electron-nucleon scattering.
- WINOCUR, Joseph. Some nuclear and electronic ground state properties of Pa²³³, Am²⁴¹, and 16-hr Am²⁴².
- WONG, How-sen. Low-energy photopion production from pions and neutral-pion decay.
- YOUNG, James Allan. Two problems of structure in the theory of weak interactions.
- DOMBEY, Norman David. Weak pion production and related processes.
- DUCK, Ian Morley. Muon capture in the shell model.
- ERMA, Victor Ado. An extension of the statistical model of the atom.
- GILINSKY, Victor. Decay of bound muons.
- JACOBS, Earl Donald. A cloud chamber investigation of interactions at energies greater than 50 bev.
- MALLOY, John Owen. Polarization of recoil protons from the photoproduction of neutral pions in hydrogen at 585 and 660 Mev.
- NORDBERG, JR., Martin Emery. Comparison of the beta-alpha angular correlations in the beta decays of Li⁸ and B⁸.
- OVERLEY, Jack Castle. A study of the elastic scattering of protons by B¹⁰.
- ROGERS, John David. Determination of the g-factor for several short-lived nuclear states.
- WILSON, Kenneth Geddes. An investigation of the low equation and the Chew-Mandelstam equations.

Carnegie Institute of Technology

- BERTRAM, JR., Walter John. Measurement of the "isotope effect" in the nuclear capture of negative muons by chlorine and investigation of the validity of the Fermi-Teller "Z-law" in AgCl.
- BLOCH, Bernard Louis. Experiments on the absorption of polarized negative mu mesons by C¹².
- HIEN, Nguyen Chi. Inelastic proton-proton scattering at 1.3 Bev.
- KELLMAN, Simon. Elastic scattering of negative pions by protons at 226 Mev.
- KOVACIK, William Peter. Elastic scattering of negative pions by protons at 152 Mev.
- MCGERVEY, John Donald. Chemical reactions of positronium in aqueous solutions.
- PENDLETON, III, Hugh Nelson. Pion-deuteron elastic scattering at 142 Mev and the impulse approximation.
- PEWITT, Edward Gale. Interactions of 141 Mev negative pions with deuterium.
- REITER, Richard Alfred. Precise measurements of the mean lives of μ^+ and μ^- mesons in carbon.

Case Institute of Technology

- ECKERT, JR., Alan Christian. Nuclear resonant absorption of gamma radiation by calcium-40.
- FORD, William Frank. Structure of low-lying levels of Li⁶.
- HAYBRON, Ronald McClure. Electrodisintegration of H³ and He³.

University of California, Los Angeles

- KELLY, Paul S. Nuclear shell model analysis of calcium isotopes.
- RASSEY, Alexander J. Energy level spectra of nucleons in an anisotropic diffuse nuclear potential.

California Institute of Technology

- ANDERSON, Hugh Riddell. Primary cosmic radiation in 1958 and variations.
- BARDIN, Russell Keith. A measurement of the ft-value of the beta decay of O¹⁴.
- BOYDEN, James Harrison. Photoproduction of positive pions from hydrogen at small angles at energies 700 to 1025 Mev.

University of Chicago

CONNOR, Donald Wallace. A technique for observation of the nuclear magnetic resonance of some short-lived nuclides and its application to the measurement of the nuclear g -factor of Li^8 .

WEISS, Andrew. Configuration interaction in simple atomic systems.

University of Colorado

McCULLEN, John Douglas. A study of the low excited states of calcium 42 and calcium 44.

Columbia University

CHASMAN, Chellis. The longitudinal polarization of electrons from Pm^{147} .

HAHN, Richard Leonard. The reactions of alpha particles with tin-124.

LEE, Yung-Keun. v/c dependence of beta-gamma (circularly polarized) correlation in Co^{60} .

LUBKIN, Elihu. Neutrons from the capture of a polarized mu meson.

Cornell University

BENNETT, Stewart. Energy spectrum and positive excess of muons in cosmic ray air showers.

CARRUTHERS, Peter Ambler. Pion production in pion-nucleon collisions.

CHASAN, Bernard Merrill. Direct pair production by 800 mev electrons.

EDWARDS, Donald Andrew. Associated photoproduction of positive K mesons and sigma hyperons from hydrogen at 1140 Mev.

LAPOINTE, Serge Michel. Giant solar flare neutrons.

LINDENMEIER, Charles William. L shell fine structure in heavy atoms.

McCLELLAND, JR., Wilson Melville. The photoproduction from nuclei of charged pi mesons in the range 100 to 400 Mev.

PAK, William Louis. Nuclear interactions of high energy cosmic rays observed near sea level.

SCHULT, Roy Louis. Analysis of K -meson absorption by the deuteron.

SUH, Kiu Suk. Radiative corrections to the metastable states of the helium atom.

SUTTON, Emmett Albert. Measurement of the dissociation rates of hydrogen and deuterium.

WAGGONER, James Arthur. Photoproduction of single neutral pions at forward angles from hydrogen in the region from 700 to 1200 Mev.

ZAIDI, Mumtaz Husain. Lamb shift excitation energy in the ground state of the helium atom.

The University of Florida

SAWYER, Earl Morrow. Studies of certain proton-target and deuteron-target reactions in the energy range of 0.1 to 0.6 Mev.

Georgia Institute of Technology

PATRONIS, JR., Eugene Thayer. Fluorescence yields measurements.

University of Illinois

HARRIS, Samuel Melvin. Part I. Time dependence of Mössbauer transmission. Part II. Sign of the nuclear quadrupole interaction from polarized gamma-gamma angular correlations.

MURASKIN, Murray. Comparison of Nishijima's formalism with that of the conventional Feynman Dyson renormalized perturbation theory.

O'CONNELL, James Sheridan. The Bremsstrahlung monochromator.

State University of Iowa

GRENNCH, Herbert Allan. Decay of $^{161}\text{Er}_{68}$ (3.1 hr.).

STOLTZFUS, Joseph Christian. The development and testing of a double-focusing magnetic spectrometer and a study of alpha particles from the $\text{Be}^9(p,\alpha)\text{Li}^6$ reaction at the 2.56-Mev resonance (Iowa. University. Dept. of Physics and Astronomy. Publication No. 61-12.)

VALERIO, John Ignatius. Investigations of the $\text{Al}^{27}(p,\gamma)\text{Si}^{28}$ reaction. (Iowa. University. Dept. of Physics and Astronomy. Publication No. 60-16.)

Iowa State University of Science and Technology

NICHOLAS, Robert Ted. Small order shape factors in beta spectra.

The Johns Hopkins University

KNUDSON, Alvin Richard. Studies of the $\text{N}^{15}(d,n)\text{O}^{16}$ reaction.

LAMBERT, James Morrison. Deuteron polarization in the $\text{Be}^9(p,d)\text{Be}^8$ reaction.

ROBERSON, JR. Nathan Russell. A measurement of the residual nuclear polarization produced in the $\text{B}^{11}(d,p)\text{B}^{12}$ reaction.

ZDANIS, Richard Albert. Studies of the $\text{C}^{13}(d,n)\text{N}^{14}$ reaction.

University of Kansas

CORMAN, Emmett Gary. Scattering of high energy nucleons by deformed nuclei.

RANGAN, Lakshmanan Kasturi. Resonant absorption of 9.9-Mev. gamma rays by Ca^{40} nuclei.

THOMSON, David B. Nuclear level densities and reaction mechanisms from inelastic neutron scattering.

University of Kentucky

BORING, John Wayne. Gamma-ray differential cross sections from inelastic neutron scattering.

Lehigh University

ERICH, Lester Charles. Nuclear quadrupole resonance spectroscopy in chlorine, bromine, and iodine substituted organic compounds.

FONTHEIM, Ernest Günter. Isobaric states of particles of arbitrary spin and charge in strong coupling meson theory.

Louisiana State University

HAKEEM, Mohamed Abdul. Internal bremsstrahlung from p^{32} and Y^{90} .

RAZAVY, Mohsen Modarres. Velocity-dependent nuclear forces.

ROJO, Onofre. Two-nucleon scattering using velocity-dependent interaction.

TREHAN, Parma Nand. Decay scheme C_e^{134} .

University of Maryland

PATI, Jogesh Chandra. Strange particle decays and the nature of weak interactions.

SCHRACK, Roald Amundsen. Neutral meson photoproduction from complex nuclei.

Massachusetts Institute of Technology

ARNUSH, Donald. Photo-meson production from nuclei.

FREEMAN, Raymond Frederick. Meson production in nucleon-nucleon collisions.

HIRSCH, Henry Richard. Hyperfine structure in the $^3\text{P}_1$ level of the twenty-four hour isomer of mercury 197.

HULL, Robert Joseph. Hyperfine structure and isotope shift in some radioactive isotopes of thallium.

KEGEL, Gunter Heinrich Reinhard. Magnetic moment of the first excited nuclear state of W^{182} .

KOHLER, Robert Henry. Hyperfine structure of the P state of mercury 201 by optically detected magnetic resonance.

LOH, Eugene Chen. Determination of the high energy end of the muon energy spectrum in $K\mu_3$ decay.

LOWREY, III, Austin. Calculation of nuclear forces by meson theory.

LUTZ, Harry Frank. Study of the angular distributions of the (d,d) and (d,p) reactions from Mg^{24} , Al^{27} , and S^{32} .

NIEMELA, Lee Quentin. Weak decays of the K^+ mesons.

ROBERTSHAW, Joseph Earl. Surface analysis by means of nuclear particle bombardment.

SCHAPPERT, Gottfried Theodore. Some properties of infinite nuclear matter.

STAGER, Carl Vinton. Hyperfine structure of Hg^{197} and Hg^{199} .

McGill University

- FAVREAU, Roger Fernand Joseph. Neutron induced reactions in nitrogen.
- GHOSH, Amal Chandra. Search for new isomers in yttrium, niobium, antimony and iodine.
- HARGROVE, Clifford Kingston. Short-lived isomeric states on polonium.
- WASHINGTON, Robert Arthur. The spallation of bismuth by 90-Mev. protons.
- WHITE, William. New isomers from (p,xn) and (p,pxn) reactions on Pd, Ag, Cd, In, and Sb targets.

University of Michigan

- BRYANT, Howard Carnes. The neutral decay mode of the lambda hyperon as observed in a xenon bubble chamber.
- BURNSTEIN, Raphael Aaron. The production and interaction of strange particles produced by 1.0-1.1 BeV π^- mesons in a xenon bubble chamber.
- HARTUNG, Richard Walter. A study of K_f^0 meson decays in the xenon bubble chamber.
- HELMER, Richard Guy. Study of the nuclear energy levels associated with the decay of ^{166}Dy , ^{172}Tm , and ^{172}Er .
- LUBITZ, Cecil Robert. Theory of (d,p) reactions.
- SUND, Raymond Earl. The level structure of Eu^{153} and Eu^{155} .
- VANPUTTEN, James Dyke. Determination of the Λ^0 decay parameter, α .
- WAHLGREN, Morris Arnold. Nuclear decay scheme studies on short-lived nuclides from the (n, γ) and (n,fission) reactions.

University of Minnesota

- ROSEN, Mervine. Semi-classical approximations in high energy scattering theory.

University of New Mexico

- GOODMAN, Albert. Isomerism in bromine nuclei.

The University of North Carolina

- HOOVER, Robert Lloyd. Measurement of low energy beta-ray spectra using a high pressure proportional counter.

The Ohio State University

- BOWSHER, JR., Harry Fred. Evidences for direct interactions at low energies.
- COMERFORD, JR., John Richard. Carrier-free separation of bromine and rhenium from cyclotron targets and the gamma radiation of arsenic-76, and bromine-77.
- SATHOFF, JR., Herman John. The complex beta spectra of arsenic-76 and bromine-76, the beta spectrum of bromine-77, and the polarization of promethium-147 beta radiation.

- WILSON, Robert Gray. Nuclear energy level schemes and systematics in the heavy rare-earth region.

The University of Oklahoma

- OSBORNE, Weymar Zack. Results obtained from a study of negative kaon interactions in nuclear emulsion.

Oregon State University

- GLASGOW, Dale William. Gamma-gamma directional correlation in magnesium-24.

University of Pennsylvania

- DELBIANCO, Walter. Photonuclear activation by 20 Mev gamma rays.
- GETTNER, Marvin William. Search of $A\pi\pi$.
- LEE, Benjamin Whisoh. Study of $K + N$ scattering in the double dispersion representation.
- MESHKOV, Natalia. Shell model study of the Li^6 nucleus with the gammal and thaler two nucleon potential.
- TZOAR, Narkis. Some aspects of the interaction of electromagnetic radiation with many particle systems.
- YOUNGER, Malcolm Cecil. Corrections to the perturbative two-pion exchange nuclear potential.

The Pennsylvania State University

- CHANDRA, Sushil. Vertical transport of electrons in the F-region.
- KHARE, Lovlesh Rai. Investigations on angular correlation and excited states of fission fragments.
- MOHANTY, Rama Chandra. Momentum and angular distribution of recoil electron in triplet production.
- SANDHU, Harbhajan Singh. Pair and triplet production by 90 Mev Bremsstrahlung in Ilford G-5 emulsion.
- SEYLER, Richard Gale. Classical self-consistent nucleus.
- SQUIRES, JR., Burton Elliott. Cross section for dissociative recombination of nitric oxide.
- WELSH, Robert Edward. Photonuclear measurements with monoenergetic gamma rays from thermal neutron capture.

Princeton University

- BELINFANTE, Johan Gijsbertus Frederik. The effect of the nucleon-antinucleon intermediate state on P-wave pion-pion scattering resonances.
- FULLER, Robert Works. Nonadiabatic changes of potential and neutron production in fission.
- HOLLIDAY, Dennis. Nucleon compton scattering.
- KIM, Young Suh. Dispersion relations for production amplitudes.

- KOLTUN, Daniel Scherwin. New methods of spectroscopy applied to the nuclear 1-p shell.

- SPERBER, Daniel. Nuclear states with high angular momenta and their stability.

Purdue University

- ALEXANDER, Peter. β - δ circular polarization correlation of Sb-124.
- NOBLE, Larry Mark. Nucleon-nucleon L S interaction from nucleon spin 3/2 isobar model.

University of Rochester

- ENGLAND, Alan Coulter. The measurement of the Wolfenstein triple scattering parameter A at 210 mev for the proton-proton system.
- GIBSON, William Arthur. Measurement of the Wolfenstein parameter R at 210 mev.
- IWAO, Syurei. Isotopic spin impurities in nuclear states.
- KINSEY, Kenneth F. Charge exchange scattering of negative pions by protons at 20.7 mev.
- MIYAKE, Kozo. Charge exchange scattering of negative pions by protons at 31 mev.
- TAKETANI, Hiroshi. Study of (p,p') reaction mechanisms at low energies.
- YAMANOUCHI, Taiji. Part I: The lifetime of the Σ^+ hyperon. Part II: On strangeness 2 meson.

St. Louis University

- VAMPOLA, Alfred Ludvik. Longitudinal polarization of Bi^{210} beta particles.

University of Southern California

- BERNSTEIN, Hyman. Directional correlation of successive gamma rays in Ba^{136} and Mo^{94} .

Stanford University

- BURLESON, George Robert. Electron scattering from the alpha particle.
- DALLY, Edgar Brandon. Electron-electron scattering at 500 Mev.
- GOLDBERG, Abraham. Electron scattering from deuterium and helium-4.
- MCALLISTER, Robert Wallace. Differential cross section for scattering of 189.6 Mev electrons through 60° by hydrogen.
- PHILLIPS, Peter Roderick. I. The separation of high-energy particle beams by microwave techniques. II. A proposed experiment to measure the mass of the π meson. III. Two conjectures about the baryon family. IV. Reflection properties of spinors and the origin of fermions with non-zero rest mass.
- YEARIAN, Mason Russell. The magnetic form factor of the neutron.

Syracuse University

RUEI, Keiser Hantze. Dispersion relations and pion-nucleon scattering.

The University of Tennessee

ZERBY, Clayton Donald. Electromagnetic production of pion pairs.

University of Toronto

GREEN, Roy Montague. Gamma ray spectra from extended sources.

Vanderbilt University

BURFORD, Audley Oliver. The L_α spectrum cesium-137 -- barium-137.

FREY, William Francis. Absolute measurements of internal conversion coefficients for pure E2 transitions.

University of Virginia

REINHARDT, Gough Cooper. Angular distribution of fast photoneutrons.

Washington University

GAINES, James Roland. Nuclear magnetic resonance in liquid helium three.

POLLAK, Betty Lou Dilmore. Positron lifetimes against annihilation in metals and alkali halide crystals.

William Marsh Rice University

BARFIELD, Walter Davis. Gamma ray spectra from nuclei produced in certain nuclear reactions.

BECKNER, Everet Hess. I. Absolute measurement of a set of energy calibration standards. II. A study of the density of states in Be⁸.

CRAMER, JR., John Gleason. Measurements of high energy beta spectra.

DAVIS, Edward Alex. Disintegration of atomic nuclei by neutrons.

HARRIS, Robert Wooten. Phase shift analysis in the elastic scattering of protons by oxygen.

JONES, Charles Miller. The scattering of alpha particles from C¹².

TOMBRELLO, JR., Thomas A. A cluster model of the light nuclei.

The University of Wisconsin

DAHL, Per Fridtjof. Aluminum (p,γ) resonances with H₁⁺, H₂⁺, H₃⁺ ions.

FOSSAN, David Bruce. Fast-neutron total cross sections of beryllium, carbon, and oxygen.

MOSS, Samuel Jack. Polarization of protons scattered from carbon.

SILVERSTEIN, Edward Allen. Measurements of N¹⁴ + α, O¹⁶ + He³, and O¹⁶ + differential cross sections.

WILSON, Walter Erwin. Neutrons from p+T and D+D.

ZUCKER, Martin Samuel. An apparatus for measuring fast neutron polarization and a measurement of D(d,n)He³ neutron polarization.

SOLID STATE

University of Alabama

WEBB, William Edward. Nuclear magnetic resonance of glycine single crystals.

University of California, Berkeley

PETERSEN, Richard Grover. Spin wave heat capacity in antiferromagnetic cupric chloride dihydrate.

California Institute of Technology

CHESTER, Marvin. Some experimental and theoretical observations on a configurational EMF.

Carnegie Institute of Technology

FELDMAN, James Michael. The mechanism of cathode erosion accompanying low voltage discharges in liquid dielectrics.

MERRIAM, Marshal Fredric. Radiation expansion and thermal expansion in X-rayed rocksalt.

Case Institute of Technology

FINEGAN, Joel Dean. Stress and stress anisotropy in iron films.

TRIVISONNO, JR., Joseph. The elastic constants of lithium-magnesium alloys.

University of Colorado

BENDER, Paul Albert. Paramagnetic broadening of nuclear spin resonance lines.

OMAR, Muhamad Ali. The longitudinal magnetoresistance of N-type germanium in a high magnetic field.

SCHICK, Lee H. Multiple-scattering analysis of the three-body scattering problem.

Columbia University

ALSOP, Leonard Erwin. A solid-state maser used as a preamplifier for a radiometer and the observation of centimeter wavelength radiation from astronomical objects.

GIORDMAINE, Joseph Anthony. A ruby maser radiometer, and the measurement of centimeter wave radiation from Venus, Mars, and Jupiter.

The University of Connecticut

SHUSKUS, Alexander Joseph. Electron spin resonance in irradiated potassium azide and fused silica.

YOUNG, Charles Gilbert. Investigations of radiation effects in α-Al₂O₃ by electron spin resonance.

Cornell University

CLARK, William Gilbert. Pulsed nuclear magnetic resonance in alkali halides.

GORDON, Albert McCague. Photoconductivity and trapping in silver chloride crystals.

KLEIN, Miles Vincent. Thermal conductivity studies in sodium chloride: phonon scattering by chemical defects.

MICHEL, JR., Alwin Earl. Photoconductivity of silver chloride crystals under pulsed x-ray irradiation.

SIECKMANN, Everett Frederick. The theory of Z-centers.

University of Illinois

ANDERSON, Ansel Cochran. Thermal conductivity of liquid He³.

BALCHAN, Anthony Stephen. I. High pressure-high temperature electronic spectra. II. Electrical resistance at high pressure.

EDWARDS, Arthur Lindley. The effect of pressure on zincblende and related structures.

GOELER VON RAVENSBURG, Eberhard. Surface studies in ultrahigh vacuum by radiotracer techniques.

HANSON, Roland Clements. Hall mobility of holes in silver bromide.

HOBART, JR., Robert H.B.W.S. The Frenkel-Kontorova dislocation in a discrete lattice.

HOLTON, William Coffeen. Paramagnetic resonance of the F- and M-centers in alkali halides.

KINGSLEY, Jack Dean. Color center reactions in the alkali halides.

LASKAR, Amulya Lal. Pipe diffusion in lithium fluoride.

MILLER, Peter Benjamin. Frequency dependent Hall effect in normal and superconducting metals.

MISSMAN, JR., Rolland Albert. Galvanomagnetic properties of carriers associated with the cleaned germanium surface.

MULLEN, James Gentry. Isotope effect in intermetallic diffusion.

NILAN, Thomas George. The release of stored energy in deuteron irradiated copper.

PIERCE, Camden Ballard. The effect of hydrostatic pressure on ionic conductivity in some alkali halides.

ROSENFELD, William Howard. Applications of nuclear directional correlation techniques to solid state physics.

WOLFF, Charles Lambert. The thermal conductivity of lead at low temperature.

ZAHNER, John Clarence. The effect of pressure on energy levels of transition metal ions.

Iowa State University of Science and Technology

BORN, Harold Joseph. Low temperature thermoelectric power of rare earth metals.

ELMGREN, Jarl Avar. Excitation of carriers from imperfections in diamond.

GLOWER, Donald Duane. Effect of radiation on the electrical conductivity in bismuth.

HELLER, Marvin William. Seebeck effect in magnesium silicide.

LIU, Samuel Hsi-peh. Magnetic properties of rare earth metals.

NELSON, David Torrison. Use of metal alloys for adiabatic demagnetization.

NISHINA, Yuichiro. Microwave measurements of Hall mobilities in semiconductors.

RYBA, Earle Richard. Measurement of the mean square vibration amplitudes of atoms in metals by x-ray techniques.

SCHIRBER, James Emmanuel. Some properties of B mercury.

STRANDBURG, Donald Lawrence. Electrical and magnetic properties of holmium single crystals.

Louisiana State University

DECK, Ronald Joseph. Effect of pressure on Ettingshausen-Nernst effect in zinc at helium temperature.

ZEBOUNI, Nadim Hanna. Experimental determination of the thermal conductivity and Peltier tensors in zinc at liquid helium temperatures.

University of Maryland

SCHNITZLER, Alvin David. Ionic ordering effects in the ferromagnetic resonance of lithium ferrite monocrystals.

WACHTMAN, JR., John Bryan. Mechanical and electrical relaxation of lattice imperfections in a fluorite structure.

Massachusetts Institute of Technology

CAMPBELL, JR., James Franklin. Voltage-current characteristics of surface-dominated diodes.

NAIMAN, Charles Simon. Studies in the charge transfer spectra of transition metal ions.

WRIGHT, John Walter. Magneto-resistance and Hall effect in magnesium at low temperatures.

University of Michigan

READ, Philip Lloyd. The measurement of the ionic Hall effect in sodium chloride.

University of Missouri

CLAYTON, Glen Talmadge. A neutron diffraction study of krypton in the liquid state.

GLASCOCK, JR., Homer Hopson. Thermoelectric and optical properties of calcium oxide.

The University of North Carolina

SHERILL, Max Douglas. The field effect in metals.

Northwestern University

ARNDT, Richard Allan. Radiation effects on diffusion of zinc in brass.

KANNEWURF, Carl Raeside. The crystal structure and optical absorption of germanium monoselenide.

WARD, John Brigham. The low-temperature recovery of resistivity in electron-irradiated gold.

The Ohio State University

DOHNANYI, Julius Salacz. An investigation of the effect of paramagnetic impurities on nuclear magnetic relaxation.

University of Oregon

MATTHEWS, Herbert. Faraday effect with n-type silicon in circular waveguide.

University of Pennsylvania

HORWITZ, Gerald. High density expansion for the ising model with arbitrary spin and range of interaction.

PITTELLI, Ernest Eugene. Ferromagnetic resonance line width in ferrites.

POLLACK, Solomon Robert. The specific heat of ferrites at liquid helium temperatures.

The Pennsylvania State University

SHORT, James Maurice. Influence of nature and concentration of various defects on diffusion in ionic solids.

SINHA, Mahendra Kumar. Bombardment of tungsten with 20 kev helium atoms in a field ion microscope.

Purdue University

BRYANT, JR., Cyrus Anthony. The heat capacity of several superconductors and other solids at very low temperatures.

Rensselaer Polytechnic Institute

REINITZ, Karl. Ultrasonic propagation in alkali halides.

ROSOLOWSKI, Joseph H. Anisotropic diffusion of silver and indium tracers in single crystals of zinc.

The University of Rochester

GOLD, Albert. Impurity states in solid neon.
MILGRAM, Alvin Arthur. The extreme ultraviolet absorption by lithium fluoride.

St. Louis University

NEUSEL, Robert H. The solid state raser.

University of Southern California

MCCLUNG, JR., Frederick James. The Faraday notation and some magnetic properties of evaporated thin films of iron, nickel, cobalt, and gadolinium.

Stanford University

GOLDSBOROUGH, John Paul. A study of the exchange system in organic free radicals by magnetic resonance and specific heat measurements.

STAUSS, George Henry. Double nuclear magnetic resonance and spin diffusion in lithium fluoride.

WANG, Charles Chen-ding. Photoelectric emission and the work function of silicon.

Temple University

BIERLY, JR., James N. The structural and transport properties of the pseudo-binary alloy GeTe-SnTe.

MATCOVICH, Thomas J. Ferromagnetic resonance magnon distribution in yttrium iron garnet.

SPAULDING, Spencer W. Theory of electric breakdown in alkali halide crystals.

The University of Tennessee

CURTIS, Orlie Lindsey. The carrier recombination behavior and annealing properties of radiation-induced recombination centers in germanium.

The University of Texas

ASHE, John Berry. Angular correlation of annihilation radiation.

MAHENDROO, Prem Prasad. Nuclear magnetic relaxation in ionic crystals.

YOUNGLOVE, Benny Alfred. Thermal conductivity of silicon at low temperatures.

University of Toronto

LANDAU, Alexandra. The absorption spectrum of solid oxygen in the wavelength region from 3300 Å to 12000 Å.

LIM, Cheng-Chuan. The velocities of sound in liquid helium³-helium⁴ mixture.

MADAIAH, Navilore. Measurement of thermal expansion of cadmium and indium crystals between 2°K and 300°K.

MASTOOR, Mohamed Taher. Melting under pressure.

STRANGWAY, David William. Magnetic properties of some Canadian diabase dike swarms.

University of Virginia

CORTESI, Roger Spencer. Angular correlation from the two gamma annihilation of positrons in metals and alkali halides.

MOWAT, John Gordon. Electron reflection at a stacking fault.

RATCHFORD, Joseph Thomas. Studies on the properties of single crystal ribbons of zinc and cadmium.

Washington State University

DORAN, Donald George. Shock waves in metals.

SINGH, Jagan Nath. Fine structure of the K X-ray absorption edge of germanium.

William Marsh Rice University

CLAYTOR, Richard Nelson. A microwave acoustic investigation of the spin-lattice interaction for F centers in quartz.

DAY, Stephen Martin. Spin-lattice relaxation of F^{19} in CaF_2 .

GIBBS, William Royal. Numerical study of the direct interaction theory of deuteron stripping.

GRIFFY, Thomas Alan. Nuclear interference effects in coulomb excitation.

The University of Wisconsin

NETZEL, Richard Gary. Superconducting transition temperatures of titanium and titanium isotopes.

VANDOMELEN, Bruce Harold. A small angle X-ray study of two cylindrical viruses.

PHYSIOLOGY

University of Alabama

EMERSON, Geraldine M.B. A study of the resting and action potentials of mammalian cells *in vivo*.

Boston University

KINNARD, Charles Matthew. The use of galvanism in the treatment of hyperhidrosis in the axillary area.

PISCOPO, John. Skinfold and other anthropometrical measurements of preadolescent boys from selected ethnic groups.

TORRES, Joseph Charles. Electrophysiology of the hypothermic heart.

Bryn Mawr College

McLEAN, Richard A. Adrenergic inhibition and lethal effect of bacterial endotoxin in mice. (Proceedings of the Society for Experimental Biology and Medicine 105: 91-95, 1960).

The University of Buffalo

MAC HATTIE, Lorne Allister. The effects of adrenaline on the heat balance of cats, determined by a new calorimetric system.

University of California, Berkeley

CONTE, Frank Philip. A study of the metabolic fate of the radiation protective compound, S,2-aminoethylisothiuronium bromide (AET), in the rat.

HALEVY, Alvin. The effects of physiological stimuli on the 5-hydroxytryptamine (serotonin) content of the blood and brain.

HILL, Richard Mather. Unit responses of the rabbit lateral geniculate nucleus to monochromatic light on the retina.

KOKKA, Norio. Galactose distribution and insulin hypersensitivity in hypophysectomized-eviscerated rats.

ROTH, Niles. Electric potentials and accommodation of the rabbit eye.

VCELLA, Carl Ludwig. The effects of hypophysectomy and an anterior pituitary extract on carbohydrate metabolism in the isolated rat diaphragm.

University of California, Los Angeles

MOORE, George P. Non-specific responses to somatic stimuli in the brain of the *alligator*.

STUART, Douglas G. Prosencephalic modulation of shivering.

University of California,
San Francisco Medical Center

BLEVINS, Charles Edward. Studies on nerve-muscle relations of the middle ear.

VCELLA, Carl Ludwig. The effects of hypophysectomy and an anterior pituitary extract on carbohydrate metabolism in the isolated rat diaphragm. (Also listed under *University of California, Berkeley*.)

University of Chicago

HERRINGTON, Katherine A. Purine nucleosidases in *Eremothecium ashbyii*.

NECHELES, Thomas F. Some *in vitro* effects of insulin and thyroxine on protein and nucleic acid synthesis in rabbit bone marrow.

STRICKHOLM, Alfred. Excitation currents and impedance of a small isolated area of the muscle cell membrane.

Columbia University

NORDSIEK, Frederic W. Effects of dietary modifications, heat and processing on the goitrogenic property of soybeans.

Cornell University

ADAMS, Heman Purdy. A study of rate of ossification in Passeriformes from the time of hatching to the time of fledging.

LUPIEN, Paul Joseph. Thermic contraction and elasticity in the chinchilla and ruminant tendon fiber as influenced by age.

PANCIERA, Roger Jero. A study of morphological changes in the digestive system of aged dogs.

SPECTOR, Bertram. Studies on thrombopoiesis: Part I. Effects of thrombopheresis, operative trauma, stress, drugs, anaesthetics, endocrine and humoral secretions, and splenectomy upon thrombopoiesis. Part II. In vivo transfer of a thrombopoietic factor.

TWARDOCK, Arthur Robert. Calcium and strontium secretion by the lactating goat.

Duke University

NOVICK, JR., William Joseph. The effects of oxygen tension and thyroid hormones on monoamine oxidase.

Harvard University

HIMMELHOCH, Samuel Ralph. Studies on the metabolic and morphological basis of renal function in the amphibian and mammal.

STEIN, John Michael. Histochemical classification of individual skeletal muscle fibers of the rat.

YOUNG, Robert Rice. The effects of focused ultrasound on conduction in peripheral nerve.

University of Illinois

BROWN, Brian Ellman. Electrical and chemical events associated with the action of insecticides on the central nervous system of the American cockroach [*Periplaneta americana* (L.)].

DILL, Russell Eugene. Studies on the endocrine function of the epiphysis cerebri (pineal body) in the rat.

DIMMICK, John Frederick. The effects of diets high in legumes on the function of the gastro-intestinal tract.

GALVIN, Robert Dennis. Some variations in renal and respiratory function during progressive experimental ketosis in humans.

HAWKINS, William Brown. Some chemical characteristics of neuroactive agents in the blood of DDT-poisoned cockroaches, crayfish, and crabs.

HIRSCH, Leroy Jerome. A study on the growth promoting principle in the domestic fowl.

MURPHY, Marjory Beth. Tissue metabolism of goldfish (*Carassius auratus*) acclimated to warm and cold temperatures.

NYSTROM, Richard Alan. Nervous control of the cat nictitating membrane.

WALBURG, JR., Harry Everett. Studies on reticulo-endothelial function in chronically irradiated mice.

University of Illinois, Chicago Professional
Colleges

SEETY, C.S. Narayana. Factors modifying the intestinal absorption of cholesterol and fecal elimination of its metabolites in the rat.

Illinois Institute of Technology

QUETSCH, Miriam Marie French. The active transport of uric acid by *Candida utilis*.

State University of Iowa

BAWDEN, James Wyatt. The uptake of orally administered radiocalcium and the distribution of the tracer between the maternal femur and litter of rats on a calcium deficient diet.

CAHN, Harold Archambo. The phase relations of four 24-hour rhythms in mentally depressed and control human subjects.

CORBIN, Alan. Neuroendocrine influences on the sexual maturation of immature female rats.

ESSLER, Warren Orvel. Radio telemetry of electrocardiograms and body temperatures from surgically implanted transmitters.

EVONUK, Eugene. An evaluation of a thermal dilution method using room temperature isotonic saline as the dilution indicator for estimating the cardiac output in the intact animal.

GREENFIELD, Wilbert. The influence of barbiturates and muscle relaxant drugs (pentobarbital, pentothal, gallamine triethiodide and tubocurarine) on certain cardiovascular and respiratory events.

HUIZINGA, Henry. A sourcebook for the laboratory instructor in first college courses in human physiology.

LIPP, James Albert. A comparison of the effects of hypothermia on the electrical activity of the cerebral cortex and the heart of the cat.

NUNN, JR., Arthur Sherman. The influence of time, concentration, and bile salt on glucose absorption in rat intestine, *in vitro*.

RULON, Russell Ross. The effect of electrical stimulation on the activation of phosphorylase in the anterior tibial muscles of dystrophic mice.

THOMAS, John Arlen. The effects of microwave irradiation on spermatogenesis and on accessory sex organs in the male albino rat.

Iowa State University of Science and Technology

ANDERSON, Lloyd Lee. Hysterectomy and ovarian function in swine and cattle.

DUNCAN, Gordon Walter. *In vitro* synthesis of progesterone by swine Corpora lutea.

RAY, Donald Edward. Effect of exogenous progesterone on reproductive activity in the beef heifer.

University of Kansas

LOLLEY, Richard Newton. *In vivo* high-energy phosphates in rat brain: investigated under steady and non-steady state conditions.

Loyola University

AKERS, Thomas Kenny. Phylogenetic development of cardiovascular control.

RAWSON, Robert Orrin. A photoelectric plethysmographic study of the sympathetic vasomotor outflow to the hind limb of the dog.

University of Maryland

LEMUNYAN, Cobert Duane. The relationship between 17-OH-CS level and rated adjustment of school children.

McGill University

PINSKY, Carl. Mechanisms of the paroxysmal after discharge.

SMITH, Grant Kenwood. The spread of response within the mammalian brain.

University of Michigan

MULÉ, Salvatore Joseph. Distribution and metabolism of N-C¹⁴-methyl labeled morphine in the central nervous system of non-tolerant and tolerant dogs.

Michigan State University

HOERSCH, Theodore Matthew. The effect of environmental light and temperature on the thyroid secretion rate and other physiological processes in sheep.

University of Minnesota

AVERY, Thomas Lee. Investigations associated with the transplantation of bovine ova.

BERKAS, Ernest Maurice. Water, sodium and chloride flux in the canine small and large intestine.

DICKSON, William Morris. Studies concerning adrenal cortical function in pregnant and fasted-pregnant sheep.

DUNLOP, Robert Hugh. A study of factors related to the functional impairment resulting from loading the rumen of cattle with high carbohydrate feeds.

LINDSETH, Esten Opland. Vascular flow patterns in the tissues of the dog intestine.

MUTCHMOR, John Alexander. Low temperature tolerance of insects in relation to the influence of temperature on muscle apyrase activity.

NELSON, Ralph Alfred. The sorption of water, sodium and potassium in the small bowel of dogs during nicotinic acid deficiency.

SULLIVAN, John Patrick. Studies on progesterone metabolism in normal dairy cows.

TRANK, John Walter. Studies on the carotid sinus baroreceptors with particular reference to endotoxin shock.

University of Missouri

ANDERSON, Ralph Robert. Adrenocortical relation to mammary gland growth and lactation in rats and mice.

KELSO, Bill Franklin. *In vivo* determination of thyroid lobe size and ¹³¹I release rate in young dairy animals.

STAHL, Perry Ruth. Factors affecting thyroxine secretion rate of the fowl.

THOMAS, Edgar Randolph. A developmental study of the bound and free glycogen fractions in the heart and liver of the mouse, and their diurnal variations.

New York University

DUNSTON, Beverly Norine. Pica, hemoglobin, and prematurity and perinatal mortality.

HENRY, S. Mark. Sulfur metabolism in the cockroach and other insects.

State University of New York, Downstate Medical Center

PENEFSKY, Zia. A comparative study of factors influencing length-tension relationships in heart failure.

North Carolina State College

ALLISTON, Charles Walter. The influence of ambient temperature on early pregnancy loss as determined by embryo transfer.

HILL, Kenneth Lee. The effects of herbicidal chemicals on the activity of terminal oxidase enzymes in plant tissue.

Northwestern University

BRUMLIK, Joel. The quantitation of muscle tone in the spastic state: an analysis of increased muscle tone, comparing spasticity and rigidity.

WACHS, Hirsh. Studies of physiologic tremor in the dog.

The Ohio State University

BESCH, Paige Keith. Adrenocortical steroid profile in the hypertensive dog.

HAMRE, Harold Thomas. Effect of fatal hypoxia on large vessel hematocrit, plasma protein concentration, and plasma osmolality: experimental approach to the subject of extra plasma.

LEVERETT, JR., Sidney Duncan. The correlation of pressure and flow in the arterial system of intact, anesthetized dogs and its changes under the effect of vasomotor activity.

LIPSKY, Joseph Albin. Restoration of carbon dioxide stores in man after acute mechanically induced hyperventilation.

Oklahoma State University

GOETSCH, Dennis Donald. Some metabolic effects of glucocorticoids in cattle and rats.

University of Pennsylvania

ANDERSEN, Harald Torbjorn. Respiratory, circulatory and metabolic adjustments to prolonged diving in the American alligator, *Alligator mississippiensis*.

EISENMAN, Joseph Sol. The electrical activity of the hypothalamus of unanesthetized dogs and its modification by local thermal stimuli.

FERGUSON, Samuel Allan. The anti-insulin activity of heparin.

FORTE, John Gaetano. Ion transport by frog gastric Mucosa.

KOENIG, Edward. The mode of acetylcholinesterase regenerations in cholinergic neurons after irreversible inactivation by diisopropylphosphorylation.

University of Rochester

AGIN, Daniel P. Effect of electrical stimulation on peripheral auditory responses.

The Rockefeller Institute

THIES, Roger Elliot. Electrophysiological studies of acetylcholine release during repetitive neuromuscular transmission.

St. Louis University

FOX, B.V.M., Sister M. Alice Marie. Transport of some sugars by intestinal segments of *Chrysemys picta*.

Medical College of South Carolina

OTEY, Edward Staniforth. Interactions of hypoxia and hypercapnia at the carotid bodies in the control of breathing.

REYNOLDS, JR., Leslie Boush. An inspiratory-excitatory reflex in cats and dogs and its relation to the spontaneous deep breath.

Stanford University

NIELSEN, Christen Balling. Quantitative studies in tissue anaphylaxis.

TAKETA, Shyojiro Tom. The influence of abnormal anions and *k*-strophanthoside on the mechanical response and electrolyte pattern of driven rat ventricles.

Agricultural and Mechanical College of Texas

DEBOER, Jelle. The effects of chronic whole-body irradiation on the reproduction of C-57 black mice.

MORROW, John Thomas. The areas of concentration of tritium labeled oxytocin and estradiol and their effect on the release of luteinizing hormone from the anterior hypophysis.

University of Toronto

HETENYI, Geza Joseph. The measurement of the accumulation and transfer rates of glucose in the intact dog. The effect of insulin.

MONEY, Kenneth Eric. Functions of the separate sensory receptors of the nonauditory labyrinth of the cat.

Tulane University

BEARD, Elizabeth Letitia. The effect of trauma and other factors on blood proteolytic activity in rats.

University of Washington

JABBUR, Suhayl. Corticofugal excitatory and inhibitory influences and their pathways on neurons of the dorsal columns in the cat.

KAUFMAN, William Carl. Pulmonary and vascular changes induced by pressure breathing.

Washington State University

GOLLNICK, Philip Dean. The effects of training due to exercise upon the adenosine-triphosphatase and lactic dehydrogenase activity of rat skeletal and cardiac muscle.

Wayne State University

ANDERSON, Gordon Frederick. A study of prothrombin synthesis in the dog, using a fluorescent antibody.

Western Reserve University

TAYLOR, Anna Newman. Central nervous system components of the aldosterone regulatory mechanism.

The University of Wisconsin

COCHRANE, Robert Lowe. Studies on the mechanisms of delayed implantation in the mink and rat.

KEBL, Theodore Herbert. Peripheral nerve function in relation to hibernation.

MORTIMER, Elizabeth MacIvor. Cortical control of fusimotor neurons.

STRATMAN, Frederick W. Various factors affecting artificial insemination in swine.

TURNER, John Kenneth. Characteristics and causes of the abdominal compression reaction.

Yale University

RUARK, Margaret Annette. The effect of adrenocortical hormones upon the diphosphopyridine nucleotide content of rat liver

The American University

TORRENCE, Lois E. The national party system in Canada, 1945-1960.

Boston University

HOWE, C. H. Walter. Colonial policy as a major variable force shaping political change in Africa: a case study of Uganda, 1905-1945.

Bryn Mawr College

ALEXANDER, Milnor. The right to counsel for the politically unpopular.

University of California, Berkeley

JOHNSON, Chalmers Ashby. Peasant nationalism and the Chinese Communist rise to power, 1937-1945.

MEHDI, Mohammad Taki. Constitutionalism: western and middle Eastern.

MILLER, Frank Owen. Minobe Tatsukichi: the interpreter of constitutionalism in Japan.

PITKIN, Hanna Fenichel. The theory of political representation.

PRANGER, Robert John. The problem of citizenship in the action theories of modern social science and existentialism.

University of Chicago

ALTSHULER, Alan. The process of planning in two American cities.

BOCIURKIW, Bohdan Rostyslaw. Soviet church policy in the Ukraine, 1919-39.

HOFFMAN, George Catron. Executive-legislative relations in the first AAA.

NORTON, Theodore M. The right to leave the United States.

PURYEAR, Paul L. The implementation of the desegregation decision in the federal courts of Virginia: a case study of legal resistance to federal authority.

ZETTERBAUM, Marvin. The political philosophy of Alexis de Tocqueville.

Columbia University

CLEMENS, JR., Walter C. Origins of the Soviet campaign for disarmament: the Soviet position on peace, security, and revolution at the Genoa, Moscow, and Lausanne conferences, 1922-1923.

CROSSMAN, George Robert. Codetermination and the West German trade unions.

DOWNING, Paul Mayhew. A comparison of the doctrines of St. Thomas Aquinas and John Locke on the right of political authority.

ELLIOTT, Arnett Alexander. Some British conservative thinkers, 1930-1939.

JACOBS, Walter Darnell. Mikhail Vasil'evich Frunze and the unified military doctrine.

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POLITICAL SCIENCE

GENERAL

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SMITH, Reed Meredith. The Leader administration in Pennsylvania with special reference to the function of program evaluation.

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WESSON, Robert G. The Soviet communes.

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Cornell University

JACOB, Charles Elmer. Elihu Root and the conservative tradition in America.

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HATCHER, William Hamilton. The political and legal theories of Westel Woodbury Willoughby.

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WILLHOITE, JR., Fred Hale. 'The consent of the governed': an analysis of some representative theories.

Emory University

HARKINS, William Joseph. The office of Secretary of State of Georgia.

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Fletcher School of Law and Diplomacy

WOLFE, Gregory Baker. The Montevideo Conference, 1933: reactions of the North and South American press to foreign policy of the United States.

The University of Florida

ARANGO, Ergasto Ramon. The Belgian royal question, 1940-1950: cleavage and consensus in society and politics.

Fordham University

PEW, Sr. Mary Jean. An analysis of Justice Robert H. Jackson's interpretation of the religious clauses of the first amendment.

SCOTTINO, Joseph. An examination of the concept of liberty in the political thought of Lord Acton.

Georgetown University

JOHNSON, S. J., Rev. Francis Duffy. Suarez on the theory of custom.

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Harvard University

ALBRIGHT, Raymond Jacob. The defense ministry of the federal republic of Germany: a study of organizational patterns for creating and controlling military power in West Germany, 1949-1960.

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GOODSELL, Charles True. Congressional access to executive information: a problem of legislative-executive relations in American national government.

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IBISH, Yusuf Kamal Hussein. An essay on al-Bāqillānī's doctrine of the Imāmate.

JONES, Lawrence Marion. The political and governmental activities of the greater Boston Chamber of Commerce.

LYMANN, Princeton Nathan. Alliances and the defense of Southeast Asia: a study of American policy in Southeast Asia, 1950-1960.

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REICH, Donald Raymond. Federal conflict in maturing federal systems.

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SHAPIRO, Martin Mathew. The Supreme Court and the first amendment.

SMITH, William Young. The search for national security planning machinery, 1900-1947.

University of Illinois

ANDERSON, Lee Franklin. The volume and stability of intraparty consensus in the house of representatives during four recent congresses.

BAIRD, Richard Edward. The politics of Echo Park and other water development projects in the upper Colorado River basin, 1946-56.

FERGUSON, III, Edward. State bills of rights: 1945-1955.

GREEN, Charles Raymond. The major American political parties as organizations: the response to extreme dissidence.

LIEBMAN, Charles Seymour. Some political effects of the functional differentiation of suburbs.

WOOD, David Michael. Political issues and the nationalized coal industry in France: 1946-1947.

ZEIGLER, JR., Luther Harmon. Small business in the political process.

Indiana University

HAMILTON, Herbert Horace. A study of land use regulations by municipal corporations for aesthetic purposes.

LEASE, Martin Harry. William Howard Taft and the powers of the president.

The Johns Hopkins University

SEKULOW, Eugene A. The congressmen ask the people: a study of congressionally conducted public opinion polls.

TUFTS, Robert Walrath. The origin and development of the National Security Council.

University of Maryland

KRIEG, Norbert Jack. The permanent neutrality status of Austria.

Massachusetts Institute of Technology

GROSSHOLTZ, Thelma Jean. Bargaining process and democratic development: a study of Philippine politics.

Michigan State University

FELT, Franklin Owen. A study of a non-partisan political organization. The Arling-tonians for a better county.

MARZ, Roger Henry. Voting shifts in a suburban community: a study of migrants from Detroit, 1952-1956.

PERRY, Simon Daniel. Conflict of expectations and roles in "policy science" behavior.

University of Minnesota

ANDRESEN, Karl Adolf. The theory of state interposition to control federal action: a study of the Kentucky and Virginia Resolutions of 1798, of Calhoun's Doctrine of Nullification, and the contemporary interposition resolutions of some southern states.

KALLEBERG, Arthur Lennart. Validity of the idea of a science of politics in recent political theory.

McENROE, Thomas Howard. The industrial workers of the world: theories, organizational problems, and appeals, as revealed principally in the *Industrial Worker*.

University of Missouri

McCLINTOCK, JR., Roy Milo. Pressure groups in the Missouri legislative process.

New York University

- ADLER, Joseph. The political and socio-economic ideas and theories of Theodor Herzl.
- CRONE, Ruth Beverly. An inquiry into a possible relationship between propaganda and the fall of Shanghai, 1949.
- FIELLIN, Alan. The behavior of a "legislative group" in the House of Representatives: a case study of New York Democrats.
- GODARD, Walter R. Steel and Red China's power potential.
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- SUSSMAN, Evelyn K. The evaluation of the Foreign Policy Association "Decisions—1957" fact sheet.
- WEISS, Nathan. The political theory and practice of General Benjamin Franklin Butler.
- WHITE, Frank Hollowell. The economic and social development of Negroes in North Carolina since 1900.

The University of North Carolina

- CRITTENDEN, John Allen. The relationship of age to political party identification.
- JENNINGS, M. Kent. Political statuses and political roles in community decision-making.
- KREMM, Walter Philip. Justice Holmes on constitutionality and evidence of his influence upon the Vinson court, 1946-1949.

Northwestern University

- AUBLE, John L. Abraham Lincoln and the American liberal tradition.
- ENGEL, Alan S. Eugenic sterilization: a study in the relationship between law and social control.
- HOLDEN, JR., Matthew. Decision-making on a metropolitan government proposition: the case of Cuyahoga County, Ohio, 1958-59.
- LEDBETTER, JR., Calvin Reville. The Arkansas supreme court: 1958-1959.

University of Notre Dame

- PYZIUR, Eugene. Constitutional thought in pre-revolutionary Russia.

The Ohio State University

- GIBSON, Robert Carlton. Political attitudes of selected American business periodicals: 1930-1955.

University of Pennsylvania

- GRUBBS, David Harold. City-county consolidation attempts in Nashville and Knoxville, Tennessee.

Princeton University

- ANTON, Thomas Julius. The politics of state taxation: a case study of decision-making in the New Jersey legislature.
- ARMSTRONG, III, DeWitt Clinton. The changing strategy of British bases.
- FEINGOLD, Eugene Neil. The Internal Revenue Act of 1954: policy and politics.†
- GILLIAM, Bates McCluer. The world of Captain Mahan.
- HAFFAR, Ahmad Rafic. France in the establishment of greater Lebanon: a study of French expansionism on the eve of the first World War.
- HOBBS, John Alan. The rise of scientific value relativism in American political science.
- JORDAN, Robert Smith. A study of the role of the international staff/secretariat of the North Atlantic Treaty Organization during the tenure of Lord Ismay as secretary general.
- KEENE, David Shankland. The political thought of E. L. Godkin.
- KOLASA, Jan. A league of minds: the international intellectual cooperation organization of the league of nations.
- MAGATHAN, JR., Wallace Clifton. The politics of German rearmament, 1949-1953: a study of some of the limits to executive power in the government of the Federal Republic of Germany.
- SKLAR, Richard Lawrence. Nigerian political parties; the social basis and structure of a party system in emergent Africa.
- THORSON, Thomas Landon. An examination of the logic of democracy.†

Radcliffe College

- LEHMANN, Shirley Jeanne. The French Socialist Party, 1905-1914: a socio-political analysis.
- SELLECK, Roberta Gifford. The language issue in Finnish political discussion: 1809-1863.
- WHEELER, Jean Huleatt. Freedom and education; a study of the interrelation in American thought of ideas of freedom and education.

Rutgers University

- ZUCKER, Norman L. The political philosophy of George W. Norris.

St. Louis University

- QUERIN, F.C.S.P., Sister Mary Christopher. The political theory of James Wilson.
- ROBERTS, S.J., Reverend Richard Joseph. The emergence of a civil right: anti-discrimination legislation in private housing in the United States.

Syracuse University

- ANDREWS, Bruce R. Religious and ethnic influences on voting behavior: a study of the Syracuse electorate from 1918 to 1957.

- MALIK, Hafeez. The growth of Pakistani nationalism, 800 A.D.-1947 A.D.

- MCGRATH, Edward Gorham. The political ideals of Life Magazine.

- RAHHAL, Asad Adib. Some aspects of liability for governmental action in France and in the United States.

- ROSSER, Richard Franklin. The Soviet Union and the underdeveloped countries in the United Nations.

The University of Texas

- ANDERSON, James Elliott. The emergence of the modern regulatory state: a study of American ideas on the regulation of economic enterprise 1885-1917.

Washington University

- ROTHWEILER, Robert Liedel. Ideology and four radical novelists: the response to communism of Dreiser, Anderson, Dos Passos, and Farrell.

University of Washington

- MEANS, Gordon Paul. Malayan government and politics in transition.

Western Reserve University

- STAVRAKIS, Bette Daneman. Women and the Communist Party in the Soviet Union.

The University of Wisconsin

- MITCHELL, Stephen Robert. Mr. Justice Horace Gray.

Yale University

- BROWNING, Rufus Putnam. Businessmen in politics: motivation and circumstance in the rise to power.
- FRIED, Robert Charles. The Italian prefects: a study in field administration.
- GUYOT, James Franklin. Bureaucrats and businessmen.
- LOWI, Theodore Jay. At the pleasure of the mayor: a study of appointment politics in New York City, 1898-1958.
- POLSBY, Nelson Woolf. Community power and political theory.
- RUSSETT, Bruce Martin. Test case in political community: Britain and America since 1890.
- WOLFINGER, Raymond Edwin. The politics of progress.

INTERNATIONAL LAW AND RELATIONS

The American University

- DARLING, Frank Clayton. American influence on the evolution of constitutional government in Thailand.

HOBEN, Katherine Hunter. The out-of-country experience of Costa Ricans sponsored by the United States technical cooperation agencies, 1952-1956: a study of technical cooperation training.

VYAS, Pramod. The United States congress and India: a study in the congressional attitudes towards India.

Boston University

SLESSINGER, Seymour. The idea of nationalism in soviet foreign policy.

WOODRUFF, John Herbert. Relations between the Netherlands government-in-exile and occupied Holland during World War II.

The Catholic University of America

SZAZ, Zoltan Michael. Principal foreign policy problems of the Federal Republic of Germany: 1949-54. (Studies in Politics, Government and International Law, Abstract Series Vol. No. 6.)

University of Chicago

DUNN, William B. American policy and Vietnamese Nationalism: 1950-1954.

NIEBURG, Harold L. Atomic secrecy and foreign policy.

TARR, David W. American power and diplomacy in the Middle East.

The Claremont Graduate School

BOLAND, Gertrude Catherine. India and the United Nations: India's role in the General Assembly, 1947-57.

University of Colorado

KUTGER, Joseph Peter. The military assistance program: symphysis of United States foreign and military policies.

Columbia University

ABRASH, Merritt. Personalities behind policies: studies of seven leading figures in Anglo-Russian relations, 1855-1895.

ESFANDIARY, Mohsen Sadigh. The role of the General Assembly in dealing with threats to the peace, breaches of the peace, and acts of aggression.

GARRETT, III, James Madison. Assistance to Turkey as an instrument of United States foreign policy, with emphasis on military assistance: 1947-1955.

HAILE, Minasse. United Nations consideration of domestic questions and of their international effects.

HASAN, Khurshid. Equality of treatment and trade discrimination in international law: a study.

RODGERS, Raymond Spencer. Facilitation problems of international associations. (Union of International Associations, Publication No. 171, Documents, No. 9.)

ROSNER, Gabriella Edith. The United Nations emergency force.

SHOUP, Paul Snedden. Communism and the national problem in Yugoslavia.

SZYLIOWICZ, Joseph Simon. Erdemli: a case study in the political integration of the Turkish villager.

Cornell University

SILVERSTEIN, Josef. The struggle for national unity in the Union of Burma.

Duke University

PIPER, Don Courtney. The international law of the Great Lakes.

Fletcher School of Law and Diplomacy

BAILEY, Douglas Lansford. Federalism and United States foreign affairs.

The University of Florida

KOBAYASHI, Teruo J. The Anglo-Norwegian Fisheries Case of 1951: its role in the transition of the law of the territorial sea.

Georgetown University

BIADASZ, Frances Elizabeth. Defense reorganization during the Eisenhower administration.

STIRES, Frederick Hand. The Ryukyus: an American dependency—an analysis of the military and civil administration of the Ryukyu Islands, 1945-1958.

University of Illinois

CHANG, David Wen-Wei. A comparative study of neutralism of India, Burma and Indonesia.

JUN, Sungjook. Politics of the veto in the security council of the United Nations.

MAHOOD, Harry Richard. The St. Lawrence Seaway Bill of 1954: a case study of decision-making in American foreign policy.

YOUNG, George Patrick. A study of the potential for the achievement of better inter-American relationships through North American schools in Latin America.

Indiana University

CORKRAN, JR., Herbert. Changing patterns of international organization in the Caribbean.

JOINER, Gordon Bishop. The World Court and the peaceful settlement of international disputes.

STAMBUK, George. American military forces abroad: a postwar pattern in international relations.

The Johns Hopkins University

CLUBB, Oliver Edmund. The dynamics of the Burmese independence movement.

DEVEREUX, Robert Essex. The first Ottoman constitutional period: a study of the Midhat constitution and parliament.

LOURIA, Margot Eleanor. British attitudes towards the Empire on the question of separation, 1830-1870.

McGill University

STEINBERG, Blema Solomon. India's neutralism in theory and practice.

Michigan State University

BJORK, Richard Emil. The changing roles of American universities in international relations. A study of certain perceptions of universities international activities and the impacts of such activities on universities participation in international relations.

WATTS, JR., Steighton Arthur. The influence of socio-economic factors on party vote in the Italian general election on June 7, 1953.

University of Minnesota

APPLETON, Sheldon Lee. The question of representation of China in the United Nations.

CALDWELL, William Stuart. The organization and operations of American information and propaganda operations in early postwar Italy.

New York University

GOLDING, David. The United States foreign policy in Palestine and Israel, 1945-1949.

KIM, Myong-Whai. Prisoners of war as a major problem of the Korean armistice, 1953.

KU, Min-chuan. Responsibility of the state for injuries caused in its territory to aliens (with special reference to national standard versus international standard).

The University of North Carolina

FAUST, John Rose. Foreign policy positions of selected states as expressed in the General Assembly of the United States.

Northwestern University

BEST, Gary L. Diplomacy in the United Nations.

The Ohio State University

ALIGWEKWE, Iwuoha Edozie. The ewe and Togoland problem: a case study in the paradoxes and problems of political transition in West Africa.

The Pennsylvania State University

MOWER, JR., Alfred Glenn. The committee system of the United Nations General Assembly.

Princeton University

DUNN, John Murphy. Military aid and military elites: the political potential of American training and technical assistance programs.

JORDAN, Robert Smith. A study of the role of the international staff/secretariat of the North Atlantic Treaty Organization during the tenure of Lord Ismay as secretary general.†

KLINE, Earl Oliver. The Suez crisis: Anglo-American relations and the United Nations.

LEWIN, Daniel Meier. The West German foreign service: a study of German diplomats under Adenauer.

University of Southern California

BEDI, Mohinder Singh. United States policy on manifestations of anti-colonialism in the United Nations.

KIM, Young Hum. Technical assistance programs of the United Nations and of the United States: a comparative study.

Stanford University

THURBER, Clarence Egbert. The problem of training Americans for service abroad in United States government technical cooperation programs.

Syracuse University

DIBBLE, Charles R. The Chinese in Thailand against the background of Chinese-Thai relations.

Tulane University

PARK, Chyun Shik. Judicial delimitation of the treaty-making power of the United States.

University of Virginia

DJALAL, Hasjim. The limit of territorial waters in international law.

MORGAN, Glenn Guy. The general supervision function of the Soviet procuracy.

OSTEEN, Arthur Marion. National claims to the continental shelf.

University of Washington

BRAINARD, Alfred Paul. The United Nations and the question of disarmament, 1950-1955.

Yale University

FRYE, Charles Alton. Nazi Germany and the American hemisphere 1933-1941.

HALPERIN, Morton. The theory of limited war.

HOSMER, Stephen Titus. The 1955 Indonesian general elections in Java.

NEFF, Charles Barton. Attitude change in Americans traveling to the Soviet Union.

WASSERMAN, Benno. Conflicts between frame-works: essays towards a conceptual theory of international relations, conflict and policy interaction.

PUBLIC ADMINISTRATION

The American University

KAUFMAN, Robert W. An examination of selected non-governmental associations which attempt to influence the formation of federal public policy in the United States.

LANDER, Ezra. Performance budgeting and accounting policy in the Department of the Army.

MILLER, Boulton Bainbridge. Management surveys in the Department of the Army.

University of California, Berkeley

NESS, Gayl DeForrest. Central government and local initiative in the industrialization of India and Japan.

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SANFORD, Thomas Michael. The politics of protest: the Cooperative Commonwealth Federation and Social Credit League in British Columbia.

SWAIN, Donald Christie. The role of the federal government in the conservation of natural resources, 1921-1933.

University of Chicago

DANELSKI, David J. The chief justice and the Supreme Court.

HENRY, Laurin L. Presidential transitions.

TSCHIRGI, James D. Multiple use of federal mineral lands: the politics of accommodating systems of public administration.

Cornell University

FEITH, Herbert. Indonesian politics, 1949-57: the decline of representative government.

FLASH, JR., Edward Serrill. The Council of Economic Advisers: a situational study of the functioning of advice.

PATTERSON, James Milton. The federal promotion of ocean shipping.

TEDJASUKMANA, Iskandar. The development of labor policy and legislation in the Republic of Indonesia.

Duke University

TILMAN, Robert Oliver. The public services of the Federation of Malaya.

Georgetown University

GOURE, Leon. The siege of Leningrad, 1941-1943: a study in Soviet administrative controls.

Harvard University

JENKINS, William Angus. A country land use study.

MANN, Lawrence Dale. Planning, housing and social relations in urban racial contact areas: development and exploration of selected hypotheses in a London setting.

University of Illinois

KEENAN, Boyd Raymond. The political process in public higher education with special reference to regional programs.

Indiana University

MEKSAWAN, Arsa. The role of the provincial governor in Thailand.

RAKSASATAYA, Amara. Executive development in the United States: with special emphasis on top federal career executives.

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University of Maryland

WHITE, Warren Caldwell. The role of federal examiners in the administrative process, with special reference to the Interstate Commerce Commission.

University of Michigan

MAHGOUB, Ali Abdelaleem. Personnel management in the United Nations Secretariat.

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Michigan State University

DEVRIES, Walter Dale. The Michigan lobbyist: a study in the bases and perceptions of effectiveness.

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University of Minnesota

HERMANN, Klaus Jacob. Politics of administrative reorganization in Minnesota state government, 1949-1959.

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BLITZ, JR., Lemuel Franklin. Urban renewal: its impact on municipal administration.

BRASHEAR, John Cripps. The impact of industrialization upon politics and political institutions of Jefferson County, Tennessee.

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BRAZIL, Harold Edmund. The conflict of political and economic pressures in Philippine economic development.

GLICK, Edward M. Propaganda strategy and tactics of the party in power during the 1958 congressional campaign.

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NASH, JR., William Wray. A survey of housing rehabilitation practices and their implications for urban renewal.

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Princeton University

EISENBERG, Ralph. Local legislation and the legislative process in New Jersey.

ROSENTHAL, Alan. Community leadership and public school politics: two case studies.

University of Southern California

BAYLOR, Aly Asgar. Administration of land reform in Iran.

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IBOKO, John Imo. The problem of highway location and contract policies in the State of California.

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Stanford University

PEABODY, Robert Lee. Authority in organizations: a comparative study.

Syracuse University

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EBBIN, Steven. A qualitative analysis of the basic factors of political success.

GUNDY, Howard Bernard. Grants-in-aid for public assistance and New York State-federal relationships.

HERMAN, Harold. The impact of New York State government practices upon metropolitan integration.

PUGLIESE, Donato Joseph. Citizen group activity in the Delaware River basin.

RAJU, K. H. Cheluvu. Union-state relations in India with particular reference to development planning and administration.

WINGFIELD, Clyde J. Planning for industrial development.

Tulane University

PORTER, Harold Troxel. Intergovernmental fiscal relations in public education in Louisiana, prior to 1959.

University of Washington

LYDEN, Fremont James. Functional theory and the study of public administration.

PSYCHOLOGY

GENERAL

The American University

COLWELL, James Morrison. The relation of controlling and hostile attitudes of mothers to certain personality traits in children.

JONES, Roy Junios. The effects of inter-ethnic group contact in a desegregated hospital community.

MASLOW, Albert R. Some relationships between social conformity and self perception.

RASMUSSEN, John Edward. An experimental approach to the concept of ego identity as related to character disorder.

SHULTZ, Meyer. Competence and stress: an analysis of individual differences in test performance.

TIEDEMANN, John G. An investigation of the influence of group standards and deviate member behavior on the exhibited racial prejudice of an individual.

Boston University

ABELSON, Robert Miles. A behavioral analysis of some ventral auditory pathways in the medulla of the rat.

ALBERTS, William Edward. Measuring ministers' attitudes toward juvenile delinquency.

BOOKSPUN, Arnold. Hostility in children with idiopathic epilepsy.

BRENNER, Leon Oscar. Hostility and Jewish group identification.

BRIGGS, David Warren. Risk-taking behavior of schizophrenics and normals.

CANN, Michael Arthur. The negative after-effect of motion as a function of test stimulus texture.

DAVIS, JR., Preston. Discrimination without awareness in a psychophysical task.

FINCH, William Edward. Measuring ministers' attitudes toward juvenile delinquency.

GEISER, Robert Lee. The psychodiagnostic efficiency of Wais and Rorschach scores: a discriminant function study.

GILL, Harwant Singh. Delay of response in problem solving and color response to Rorschach stimuli.

HULEK, Jane Elizabeth. Peer relations and body-image maturity in children.

KAHN, Roy Max. Level of aspiration in two types of delinquents.

KIRIAZIS, Charles. Discrimination following various conditions of nondifferential training.

LEVIN, Gilbert. The operant conditioning of a social response.

NALVEN, Fredric Bertram. Defense preference and perceptual decision making.

NICKS, T. Leon. The relationship between the leveling-sharpening principle of cognitive control and retroactive inhibition.

SETH, Madan Gopal. A study of attitudinal change of Indian students in the United States.

SPANGLER, John David. Becoming a mystic: an analysis of developmental factors according to the Murray "Need-Press" theory.

TEITELBAUM, Stanley Harold. Stimulus generalization in relation to stress and defense.

TISDALE, John R. Psychological value theory and research: 1930-1960.

The University of Buffalo

MC KENZIE, James Donald. An attempt to develop Minnesota multiphasic personality inventory scales predictive of academic over- and underachievement.

STOCKIN, Bruce Carlyle. An empirical investigation of two basic assumptions of a theory of vocational choice.

University of California, Berkeley

HALL, Wallace Belden. A study of likability as a variable of personality.

JONES, Donal Stephen. Delinquency, psychopathy, and generalized reinforcement.

University of California, Los Angeles

ACKER, Charles Wesley. Personality concomitants of automatic balance.

BOGARTZ, Richard S. Associative and stimulus-response compatibility effects in stimulus predifferentiation.

FISHBEIN, Martin Edward. A theoretical and empirical investigation of the interrelation between beliefs about an object and the attitude toward that object.

SLUCKI, Henry. Resistance to extinction as a function of some schedules of conditional reinforcement.

VAN BUTLER, Bruce. Response shift in young children.

WOLD, Carl Ira. An analysis of simile formation in terms of common, mediating, emotional responses.

The Catholic University of America

RIEGER, Rebecca Eisenberg. The influence of the therapist's cognitive affective attitudes on the quality of the therapeutic relationship.

STAMMEYER, Eugene Charles. The effects of distraction on performance in schizophrenic, psychoneurotic, and normal individuals.

TECCE, Joseph J. Effects of stress on paired associate learning and recall as a function of emotionality, reinforcement and response.

WYNNE, Ronald D. The influence of hospitalization on the verbal behavior of chronic schizophrenics.

University of Chicago

BLATT, Eva Fishell. The relationship between the severity of disease and the extent of psychopathology in psychosomatic illness.

CRAWFORD, James Weldon. Visual flicker fusion frequency and thyroid function in the cat.

ELSTEIN, Arthur. Behavioral correlates of the Rorschach shading response.

FEIGENBAUM, Kenneth. An evaluation of Piaget's study of the child's development of the concept of conservation of discontinuous quantities.

FOULKES, William David. Dream reports from different stages of sleep.

JERNBERG, Ann. A study of the relationship between perceptual behavior of the pre-school child and the perceptual behavior of his parents.

MARKEL, Norman. Intra-test relationships in the language of aphasic adult.

MAXWELL, Mary Lou Bridges. Therapeutic progress and the ward milieu as perceived by the staff.

McGEE, Thomas F. Changes in inter-personal fantasy functioning associated with two therapeutic techniques.

NISHIYAMA, Chiaki. The theory of self-love: an essay in the methodology of the social sciences, and especially of economics, with special reference to Bernard Mandeville.

OESTERREICH, Roger E. The role of higher neural auditory centers in the discrimination of differential sound intensities.

PEIZER, Sheldon. A study of some basic personality changes incident to the penal incarceration of a group of adult male first felony offenders.

RICE, Gunther. A study of personality complexity.

ROBERTSON, Richard. Causes and effects in sociometric choice in a workshop for executives: studies in human affiliation.

SHERWOOD, Edward Torrence. Swazi personality and the assimilation of Western culture.

SMOTHERS, John M. The public and private meanings and uses of popular music for American adolescents.

STROMINGER, Norman Lewis. Localization of sound after central nervous system lesions.

TOLLEY, B. Stuart. The relation between affect and inferences about the self after success and failure.

University of Cincinnati

CARRAN, Archie B. A test of gradual versus one trial theories of learning of paired associates.

The Claremont Graduate School

GARWOOD, Dorothy Semenow. Some personality factors related to creativity in young scientists.

Clark University

BODANSKY, Margery. A study of the representation of abstract concepts through the use of line patterns.

NIDORF, Louis Joseph. Individual differences in impression formation.

University of Colorado

CAMPBELL, Vincent Neal. Assumed similarity, perceived sociometric balance, and social influence: an attempted integration within one cognitive theory.

Columbia University

BOND, Alma H. Grandmothers' attitudes and mothers' concerns.

CAVALIER, Robert Peter. Personality and adjustment to Arctic isolation.

ERDMANN, Robert Lewis. Brightness discrimination with constant duration intermittent flashes.

GORDON, Richard Edwards. Prevention of postpartum emotional difficulties.

KAPOSTINS, Eli Eglons. The effects of differential reinforcement of low rate on word utterance.

MARGULIES, Stuart. Response duration in regular reinforcement, extinction, and discrimination training.

NICKERSON, Eileen Tressler. Some correlates of adjustment of paraplegics.

VAN LEEUWEN, Emil. An investigation of supervisory attitudes in a unionized textile plant as contrasted to a non-unionized plant.

WEBSTER, Elizabeth Jane. Fears and worst happenings as reported by Southern children.

The University of Connecticut

FISCHER, William Frank. Sharing in pre-school children as a function of amount and type of reinforcement.

Cornell University

BROWER, Stephen Leon. A study of value-orientations.

FERNALD, JR., Lloyd Dodge. Client distortion of psychological test data in the test-interpretation interview.

University of Denver

APPERSON, Olive Louise. A comparison of parental attitudes with certain characteristics of their children considered relevant to adjustment.

COOLEY, William Edward. The internment behavior of United States prisoners of war in Korea and its relationship to postinternment adaptation.

COSLETT, Stephen B. Semantic generalization and manifest anxiety.

CURTIS, William Douglas. Agreement between personal descriptions in autobiography and inventory.

EDWARDS, Elizabeth S. Choices in perceptual designs indicating differences in maturity in children, adults, schizophrenics.

LESLEY, Eugenia Lukas. Selected Rorschach responses of first-year students of dentistry, engineering, and law.

McDEARMON, James Robertson. A study of the development of Dr. C. S. Bluemel's theories of stammering.

MOREE, Macy Ballew. Changes in personality scores of a group of handicapped children whose parents participated in parental guidance conferences.

STEWART, Clifford Trusten. An investigation of some of the factors involved in sensory preconditioning.

VOLLE, Frank Oliver. A study of hostility expression and stress-produced blood pressure variation.

Duke University

CROVITZ, Herbert Floyd. Patterns of relative localization of an odd element within a visual grouping as a function of laterality characteristics and tendencies to eye movement.

GREENBERG, George. Visual induction of eye torsion, as measured with an after-image technique, in relation to visual perception of the vertical.

OST, John William Philip. Interstimulus interval and proportion of non-reinforced trials in differential eyelid conditioning.

The University of Florida

MARTOCCIA, Charles Thomson. Instructor influence on the subsequent progress of students in a physical science course.

MORGAN, Esther Marguerite. A comparative study of the self-perceptions of aggressive and withdrawn children.

PERRY, Doris Cahoon. Self-acceptance in relation to adjustment.

The Florida State University

HUGHES, Herbert Howard. Expectancy, reward, and differential aptitude tests performance of low and high achievers with high ability.

THOMPSON, Larry W. An investigation of changes in electrocortical activity during verbal learning.

Fordham University

BAER, Daniel J. A factor analytic study of perceptual and personality rigidity tests.

KENOYER, S.L., Sister Marie Francis. The influence of religious life on three levels of perceptual processes.

LUCAS, Ann F. The relationship between attitude of student nurses toward childbearing and certain selected individual and background characteristics.

POLAND, Harold V. The relationship between self concept and supervisory and peer ratings of success in nurses training.

PURCELL, John. Expressed self concept and adjustment in sexually delinquent and non-delinquent girls.

SUTTER, C.P.P. S., Reverend Cyril. A comparative study of the interest and personality patterns of major seminarians.

George Peabody College for Teachers

McCLINTOCK, Robert Edgar. A factor analytic study of tendencies of first grade children to continue task responses.

Harvard University

BERMANT, Howard Gordon. Regulation of sexual contact by female rats.

CATANIA, Anthony Charles. Characteristics of performances under combined multiple and concurrent scheduling of reinforcement.

CONGDON, Robert Grosvenor. Orientation to parents, capacity for task involvement, and patterns of interpersonal relationships as sources of variation in the responses of male college students to the vocational selection of a technology curriculum.

GREENWOOD, Donald Dean. Auditory masking and the critical band.

GUNDERS, Shulamith Grace. The effects of periodic separation from the mother during infancy upon growth and development.

HOGAN, Jerry Alan. Motivational aspects of instinctive behavior in *Betta splendens*.

MIERZWA, John Anthony. The differentiation of career choices: a study of the choice of a career in science during a two-year period in late adolescence.

MOMENT, David. Motivation, role behavior and development—a study of middle and upper management individuals in four experimental group situations.

MULVEY, Mary Crowley. Psychological and sociological factors in prediction of career patterns of women.

ROSS, Ann. The relation between social adjustment and achievement among pre-adolescents.

ROZIN, Paul Nathaniel. Some aspects of regulatory behavior in the goldfish, *Carassius auratus*.

SCANLAN, Edward Charles. A theory of guidance.

TERRACE, Herbert Sydney. Discrimination learning with and without "errors."

University of Houston

PATE, Kenton Donese. The picture arrangement test as related to occupational choice and values.

University of Illinois

GREGORY, John Robert. Some psychological aspects of motion picture montage.

HAYWOOD, Herbert Carlton. Novelty-seeking behavior as a function of manifest anxiety and physiological arousal.

MYERS, Albert Edward. The effect of team competition and success on the adjustment of group members.

TOLLEFSON, Donald Lloyd. Differential responses to humor and their relation to personality and motivation measures.

Illinois Institute of Technology

BARASCH, Sidney. Effect of dextran upon variability of motor performance in schizophrenics.

LIPMAN, Vivian C. Relating hyperactivity, induced by anticholinergic psychotomimetics, to temperature and potency.

PERYAM, David Roger. Variability of the gustatory response to sodium benzoate and other substances.

SHERMAN, Paul Alan. An investigation of eye movements related to packaging research.

Indiana University

CUTLIFF, Lucy Reed. A comparison of the attitudes of above-average dropouts and above-average non-leavers of Indiana University.

HARRIS, Helen Virginia. The perception of the counseling climate with delinquents by therapists majoring in education, sociology, psychology, and social sciences.

HEATH, Earl Joseph. A study of attitudes toward teacher-pupil relationship utilizing Q-technique with the items of the MTAI.

LEE, Carson. A study of the effect of counseling in reducing the number of problems indicated by high school freshmen and seniors.

WIGGINS, Newton Wayne. A comparative evaluation of the Wechsler-Bellevue scale performance of selected brain-injured and noninjured subjects.

WINOGRAD, Eugene. Two parameters of escape behavior.

State University of Iowa

ALPERN, Gerald David. Children's performance in a socially reinforced learning task as a function of two characteristics of the adult reinforcer.

Louisiana State University

ADAMS, Henry Earl. Deviant responses in the measurement of personality characteristics.

Loyola University

CABANSKI, Stanley John. The effects of certain drugs upon personal tempo.

DINELLO, Frank Anthony. Selective reinforcers in the operant conditioning of normal and exceptional children.

GRIB, Thomas F. Pattern analysis of movement responses and location choices on the Rorschach.

KELLER, Reverend John Walter. Comparison between priests with training in pastoral counseling and priests without such training as measured by the religious apperception test.

MOHRBACHER, John Webb. The diagnostic approach of three disciplines to minimal intracranial pathology in children.

VON EBERS, Paul Joseph. The effect of color on the phenomenal displacement of lights seen in apparent movement.

University of Maryland

CLARKE, Paul Alfred. A study of the school behavior effects upon boys of father absence in the home.

HINE, Frances Dolores. An investigation of one dimension of personality, self-esteem, and its relationship to a pupil's art experience.

PARKES, Edward Harvey. The effect of situational stress, set-strength, and trait anxiety on problem-solving rigidity.

WELSH, Phil. The relationship between personal history characteristics and the decision to stay or leave college teaching.

University of Massachusetts

LEIMAN, Alan Howard. Relationship of TAT sexual drive, sexual guilt and sexual conflict.

McGill University

ANDERSON, Clifford Wilfred. The relation of verbal behaviour to decision formulation in the employment interview.

BRYDEN, Mark Philip. Tachistoscopic perception and serial order.

COOPER, Roderick Melvin. Nonspecific thalamic functions in learning.

RAMAN, Anne Elizabeth. Individual differences in visual figural after-effect.

ROWE, Patricia Mabel. Individual differences in assessment decisions.

University of Michigan

BRODY, Nathan. Demand for certainty, motivation, and the decision process.

INDIK, Bernard Paul. Organization size and member participation.

PILISUK, Marc. Cognitive balance and the reception of unpleasant information: an exploratory study.

WILLIAMS, Lawrence Kenneth. The measurement of risk-taking propensity in an industrial setting.

Michigan State University

DAVID, James Henry. Models for the classification of problems and the prediction of group problem-solving from individual results.

KNAPP, Robert K. The acquisition and extinction of instrumental avoidance as a function of the escape situation.

LINGOES, James Charles. Multiple scalogram analysis: a generalization of Guttman's scale analysis.

NAGLE, John Edward. A study of the relationship between the extent of preparedness for change and the degree of satisfaction with automation.

University of Minnesota

CAMPBELL, David Phillip. Psychometric analysis of response patterns to interest inventory items.

SCOTT, JR., Thomas Blythe. Counseling interpretations for the Minnesota Vocational Interest Inventory based on comparisons with the Strong Vocational Interest Blank.

SINGER, Jerome Everett. The effects of epinephrine, chlorpromazine and dibenzylamine upon the fright responses of rats under stress and non-stress conditions.

The University of Nebraska

HOLLYER, Steward Gordon. Social status factors and achievement needs as related to entry into a professional field.

New York University

COLLINS, Mary Evans. Intra-individual differences in conformity behavior as a function of involvement in issues.

DAVIDSON, Maria. Predictors of fertility: a comparative analysis of characteristics of husbands and wives related to fertility behavior.

EDEL, Roberta Roberts. A study of the relationship between certain overt behavior difficulties in children and covert areas of personality in their mothers.

FINZI, Hilda. Interchangeability of perceptual and motor activity in the release of organismic tension.

FISS, Harry. State of consciousness and the subliminal effect.

JACOBS, Paul Isar. Regularity and length of intertrial interval in the extinction of an acquired fear.

JONAS, Arthur Herbert. A study of the relationship of certain behaviors of children to emotional needs, values, and thinking.

KLAUSNER, Max. The attitudes of mothers toward institutionalized and non-institutionalized retarded children.

KUTLER, Goldie L. The effects of institutionalization upon the personality development of the child.

LAPKIN, Benjamin. The relation of primary process thinking to the recovery of subliminal material.

LAX, Ruth Franceska. An experimental investigation of children's size estimation under neutral and fear arousing conditions.

LESSER, Ruth Manacher. The effects of subliminal stimuli upon images and dreams in the normal and hypnotic condition.

MACHNITS, Ernest Joseph. A study of the relationship of certain behaviors of children to emotional needs, values and thinking.

MARTIN, Donald Harold. A study of the relationship of certain behaviors of children to emotional needs, values, and thinking.

MEYERS, Marvin Daniel. A longitudinal analysis of the factors related to adjustment in retirement.

MORRIS, Joel. An investigation into the psychology of strikes.

NUSSBAUM, Jacob. An investigation of the relationship between the self-concept, mothers' concept and reality orientation of adolescents with cerebral palsy.

OLSEN, Leif Ole. The relationship between fatigue and the organization of the individual.

POLONI-DE LEVIE, Aletta. Cognitive and personality correlates of reading difficulty.

RADIN, Jerome Howard. Authoritarianism in relation to perceptual performance.

RASHAP, Bernard Leonard. An exploratory study of mediational processes in verbal behavior.

SCHLICHT, William John. Differences in learning and selective recall as related to need achievement.

SELLTIZ, Claire Alice. An investigation of judgmental processes in perception of a foreign country.

SHAW, Thomas Howard. Frustration and anxiety: a study of differences between frustration and anxiety drive properties in selective learning.

WINER, Frank. The relationship of certain attitudes toward the mother to sex-role identity.

WODIN, Martin Henry. An examination of perceptual and cognitive rigidity in deaf adolescent boys.

The University of North Carolina

ROSS, Donald Clare. The classification of aphasics.

North Texas State College

GRAHAM, Daniel Woodrow. An experimental study of critical thinking in student-centered teaching.

Northwestern University

BARNES, Jean M. "Fate" revisited.

BENNETT, Barbara A. Psychological effects of anticoagulant therapy with the aged.

BLUMBERG, Stanley. Performance changes in repeated judgments of schizophrenic verbal responses.

CLAYTON, Keith N. The relative effects of forced reward and forced nonreward during successive discrimination reversal.

DEWOLFE, Alan S. The effect of affective tone on the verbal behavior of process and reactive schizophrenics.

DEWOLFE, Ruthanne. The effect of drive level on the language behavior of process and reactive schizophrenics.

HEDVIG, Eleanor H. A study of the effects of immediately preceding experiences upon early childhood recollections.

LEHTINEN, Laura E. Performance of minimally damaged and normal children on a simple discrimination learning task.

MAC INTOSH, Shirley Pade. Perceptibility of emotional and nonemotional material with a forced-choice method.

REHULA, Robert J. A test of two alternative hypotheses of the associations that develop in serial learning.

WENAR, Solveig C. Simple concept formation in children as related to age level.

WILSON, Warner R. An attempt to determine some correlates and dimensions of hedonic tone.

The Ohio State University

HOOD, Joanne Jackson. Consistency of self concept in adolescence.

JOHNSON, Ronald Engle. A quantification and measurement of three qualitative changes in the recall of complex verbal materials.

KAZMIER, Leonard John. Validation of a technique for predicting over- and under-achievement through objective testing.

LEWIS, Edward Bedea. Time perception, personal tempo and activity level in a group of neuropsychiatric patients.

LLOYD, Dee Norman. Reality testing in the thought processes of schizophrenics.

LOWE, Carrington Marshall. A study of the nature of guilt in psychopathology.

WARRICK, Melvin James. The psychological refractory period: disparate stimuli and responses.

WATSON, Francis R. Traffic accident research and casualty insurance.

The University of Oklahoma

ELSEA, JR., Orlando Claude. A study of the effect of hypnotic suggestion on color perception.

HOOD, William Robert. Rigidity of concept utilization as a function of inductive and deductive derivation.

University of Oregon

SIMMONS, Dale David. The development of concepts about occupational status.

University of Pennsylvania

ELLEM, Kay Adrian Oswald. The interaction of infectious rubonucleic acid with mammalian cells in vitro.

FARNHAM, Sylvia. Probability of success estimates of children. II. Effects of task similarity, preference, difficulty, outcome and goal value on expectancy-generalization.

KUTSCHE, JR., Rudolph Paul. A Rorschach comparison of adult male personality in Cherokee, North Carolina, and "Henry's Branch," Kentucky.

MARDER, Martin. The effects of experimenter attractiveness and negative reinforcement of verbal conditioning.

ROSEN, Marvin. Valence, expectancy, and dissonance reduction in the prediction of achievement striving.

SHIPLEY, Elizabeth F. Detection and recognition with uncertainty.

University of Pittsburgh

BARNES, Henry William. An investigation of the effects of some schedules of intermittent reinforcement on the precisely timed response of the rat.

EVERSTINE, Louis. The conditioning of neurotic verbalizations.

KLIONS, Herbert Lionel. Asymptotic effects of absolute and differential magnitudes of reinforcement of instrumental performance.

MIGLER, Bernard Martin. The effects of fornix lesions on emotional and timing behavior in the Rhesus monkey.

SHIPMAN, Virginia Irene Curran. The effects on frustration tolerance of repeated mild-to-moderate frustration experiences.

TABER, Julian Ingersoll. Human timing behavior.

Princeton University

HAYES, William Neil. Shape recognition as a function of viewing time, eye movements, and orientation of the shape.

JANICKI, Wojciech Peter. Effects of situational and dispositional factors in a dyadic interaction.

KIRBY, Raymond Hope. Acquisition, extinction, and retention of an avoidance response in rats as a function of age.

NEWBURY, Edward Lee. Body temperature and work decrement in rats under cold stress.

PARKER, Donald Edward. Vertical organization of the auditory cortex of the cat.

ROSS, John. Human memory: a partial model and its implications for retroactive phenomena.

SCHIFFMAN, Harold. A mathematical model of interpersonal communication.

Purdue University

AMMERMAN, Harry Lloyd. Reliability of responses of incumbents in the use of check lists of task activities.

ASQUITH, Ronald Harold. The variability of work activities of naval personnel as derived from work diaries.

GRAZIANO, Anthony Michael. A factor analytic study of rigidity tests for children.

HOISMAN, Alan Jay. Validation of a personnel test for executive selection.

KEMPLER, Hyman Leopold. Parental permissiveness for aggression and parental identification as determinants of within-sex differences in cognitive behavior.

LUNDY, Robert Lee. Intellectual and non-intellectual factors involved in the college performance of engineering students.

TAUBER, Lewis Earlen. Time concern and "time complexes" among normals, neurotics, and psychotics with possible applications to psychotherapy.

TAYLOR, Leslie Ronald. Dimensions of delinquent behavior.

Rutgers University

AGIN, Martin J. A descriptive analysis of the behavior patterns in the ring dove (*Streptopelia risoria*).

GREENSTEIN, Jules M. Father characteristics and sex-role identification in a delinquent group.

LINKER, Eugene. An analysis of human patterned alternation problem solving.

MARTUCCI, Leo George. Some correlates of responses to a standard interview among high school boys.

NISHIMURA, Ruth. Reinforcement as a function of interpersonal and situational variables.

SHARROCK, Jean Clare. Expectancy extinction and response extinction of the reinforcement effects accrued by a consistent stimulus following a regular response.

WIMER, Cynthia Crosby. Meaningfulness, similarity, and paired-associate learning.

ZENCHELKY, Miriam Tauber. Cognition and fantasy in juvenile delinquency.

St. Louis University

CORTNER, Robert Harold. The relation between morale and informal group structure in hospitals.

University of Southern California

MCGRATH, James Joseph. The effect of irrelevant environmental stimulation of vigilance performance.

SCHUSTER, Donald Herbert. The development of attitude scales to predict accident repeater and moving violator drivers.

Stanford University

GOLDMAN, Arnold Robert. The effects of dependency and dependency-anxiety on schizophrenics' rate of learning under conditions of social reward and punishment.

Syracuse University

AGER, JR., Joel Wheeler. Individual interval scaling for distinguishable stimuli.

CLEVELAND, Gerald A. A study of certain psychological and sociological characteristics as related to arithmetic achievement.

LEWIS, Dorothy Grace. A study of the motivational basis of anti-Negro prejudice in a southern sample.

SMITH, Stuart Elwood. The relationship between scores on the Strong Vocational Interest Blank and academic performance at the State University of New York College of Medicine in Syracuse.

Temple University

HOLOWINSKY, Ivan Z. The relationship between intelligence (80-110 I.Q.) and achievement in basic educational skills for a selected sample in Camden, N. J.

HONIGFELD, Gilbert. A factorial study of neurological efficiency, perception and personality.

The University of Texas

BIRKMAN, Roger W. Development of a personality test using social and self-perception inventories.

BOSWORTH, Lanis Loy. A study of classical and instrumental inhibition as a function of the press of stimuli in support of a unified theory of the learning process.

FOSTER, Robert John. The construct validity of acquiescent response set as a measure of acquiescence.

University of Toronto

BROWN, Jack McDougall. Prior learning and age in relation to performance of perceptual-motor tasks.

Tufts University

BROWN, Donald William. The effect of drive (D) stimulus (SD) on resistance to extinction.

ELKIN, Edwin Harvey. Dynamic visual acuity.

University of Utah

JUSTESEN, Don Robert. Pleasure centers in the brain.

PENDLETON, Ralph Brian. Latency of cortical and subcortical conditioned responses in the cat as a function of dominant cortical frequency.

RICHARDS, JR., James McDowell. A test of the cue additivity principle in a restricted social interaction situation.

WEIMERS, Irene Hollingsworth. Evaluating adequacy of adjustment in normal infants.

Vanderbilt University

COPPLE, Lee Biggerstaff. Motor development and self-concept as correlates of reading achievement.

Washington University

GOODRICK, Charles Lester. The role of frequency, association value, and complexity in the identification of random shapes.

University of Washington

CARLSON, Gordon John. The behavior of developmentally retarded children as a function of loss of reinforcement to a peer.

DIERS, Carol Jean. Social desirability and acquiescence in response to personality items.

DUFFY, Michael Lee. An alternative explanation of the subception phenomenon.

ERICKSON, Marilyn Ann. Effects of social deprivation and satiation on verbal conditioning in children.

GRAY, Philip Howard. Developmental parameters of imprinting.

SHANKER, Prem. The contribution of EPPS scores to differential and multiple absolute academic prediction.

WALKER, Jerald Neil. An examination of the role of the experimentally determined response set in evaluating Edwards' social desirability scale.

Wayne State University

LUKASZEWSKI, Jerome S. The auditory threshold as a function of a forced choice technique, feedback and motivation.

Western Reserve University

DANESINO, Angelo. Contrasting personality patterns of high and low achievers among college students of Italian and Irish descent.

GIBSON, John Wayne. Sources of job satisfaction and job dissatisfaction as interpreted from analyses of write-in responses.

WARNER, William Scott. Behavioral contagion and social power.

Yale University

AGARIE, Nariyuki. Effects of verbal contexts on meaning: a study of the connotative meaning of words in isolation and combination.

ALBERTS, Phyllis. The effects of labels on children's perception and discrimination learning.

ALLISON, Joel. The effect of cognitive organization on response to low intensity visual stimuli.

GROSSMAN, Sebastian Peter. Behavioral effects of direct adrenergic and cholinergic stimulation of the hypothalamic mechanisms regulating food and water intake.

HENDRY, Anna Louise Simpson. Cognitive processes in a moral conflict situation.

PORR, Roger Clark. An experimental investigation of the function of sexual impulses and anxiety in humor.

RABBIE, Jacob Max. Factors influencing the magnitude and direction of affiliative tendencies under stress.

SERMAT, Vello. Cooperative behavior in a mixed-motive game.

SINGER, Estelle Sara. The effect of local satiation on perceptual distortion.

WASMAN, Marvin. Effects of hippocampal after-discharges on attack behavior elicited by hypothalamic stimulation in cats.

WILLIAMS, Joanna Pozzi. A test of the all-or-none hypothesis for verbal learning.

CLINICAL

Adelphi College

BLOOMBERG, Nancy Lee. The verbal conditioning of affect statements in high and low cohesive groups.

BRUSCHI, Elio. Factors influencing verbal communication in children.

COHEN, Abraham. Attitude displacement from parent to female teacher and academic achievement.

DREIER, Jacob Leon. An inverted factor analysis of Rorschach protocols of neurotic parents in a child guidance clinic.

EDDY, Paul Dawson. Loneliness: a discrepancy within the phenomenological self.

HABER, Leonard. Language behavior of cohesive dyads communicating with individual recipients of high and low status.

KISSINGER, R. David. Affiliation need, interpersonal acceptance and rejection, self regard and selective recall.

POWELL, David H. The performance of process schizophrenic, reactive schizophrenic and organic patients on conceptual learning tasks under non-motivating and motivating conditions.

SANDERS, David H. Hope of success and fear of failure in children as related to risk-taking behavior and independence training.

SCHWAB, John R. Anxiety, threat, and perception of deviation from the expected.

Boston University

FERULLO, SR., Robert Joseph. A Q-technique study of the self-concepts of two groups of college students varying in degree of speaking ability.

GOLBURGH, Stephen Jon. A study of the vocational interests of four types of psychotic subjects.

HOLDEN, Raymond Henry. Changes in body image of physically handicapped children due to summer camp experience.

Brandeis University

SCHNITZER, Robert D. Personal adjustment and the recognition and unconscious evaluation of self-expressive forms.

The University of Buffalo

ANTON, Arthur Morris. Consistency versus inconsistency of defensive behavior.

BACKNER, Burton Lee. "Attraction-to-group," as a function of style leadership, follower personality, and group composition.

BERNSTEIN, Donald Martin. Perceptual primitiveness in children as a function of age, intelligence and exposure time.

GOLDFRIED, Marvin R. The effect of sensory deprivation on developmental level of perceptual organization.

GRAND, Sheldon Allen. Reactions to unfavorable evaluations on the self by others in relation to the function of acceptance of disability.

KISSEL, Stanley. Social stimuli and reduction of stress.

REISMAN, Marvin Norman. Size constancy in schizophrenics and normals.

University of California, Berkeley

DEL TORTO, John. Psychological correlates of risk-taking.

LIM, Donald Timothy. Some personality correlates of preference for figural complexity-simplicity.

MOOS, Rudolf Hugo. The retention and generalization of operant conditioning effects in a free interview situation.

University of California, Los Angeles

GOLDEN, Mark. Some effects of combining psychological tests on clinical inferences.

HOROWITZ, Mariam Jessica. A study of clinicians' judgements from projective test protocols.

Clark University

NAIR, Patricia Jo. Distancing: the application of a developmental construct to learning disability.

University of Colorado

ATKINSON, Harriette Seely. The effect of early experience upon hoarding and shock-escape behavior of the albino rat.

ATKINSON, Stuart Emory. Social class, interpersonal role-orientations, and conceptions regarding psychotherapy.

RYAN, Leo Robert. An exploratory study of some aspects of listening of schizophrenics.

THOMPSON, John Richard. The effects of industrial therapy upon personality and behavior.

WRIGHT, Jack Mason. Attribution of social responsibility and self-concept.

Columbia University

BELDOCH, Michael. The ability to identify expressions of feelings in vocal, graphic, and musical communication.

BLAU, Sidney. An ear for an eye: the compensatory transposition of sensory modes in the blind as a factor in making judgments of affect.

BRENNER, Marlin Sydney. The relationship between TAT hostility and overt hostile behavior as a function of self reported anxiety.

FELDSTEIN, Stanley. The relationship of interpersonal involvement and affectiveness of content to the verbal communication of schizophrenic patients.

LEVI, Aurelia Leffler. Parent treatment and outcome of child's therapy.

MCCULLY, Robert Stephen. Fantasy productions of children with a progressively crippling and fatal illness.

MILLER, Barbara Ann Bowens. Effects of father absence and mother's evaluation of father on the socialization of adolescent boys.

PHELPS, Henry Beveridge. Conceptual ability and the perception of interaction in movement by elderly persons.

REITER, Sidney Randolph. The relationship of angry and fearful behavior to perception among institutionalized geriatric residents.

The University of Connecticut

NÉMETH, Alexander Joseph. Some determinants of the individual's global disposition of favorableness or unfavorableness toward the other person: an experimental study in impression formation.

NOLAN, Richard Edward. Human cardiac conditioning during intense experimental anxiety.

TOOMEY, Laura Carolyn. Factors affecting empathic performance.

University of Denver

THOMPSON, Everett Frederick. The clinical work association test as a quantitative measure of social remission.

WILSON, Gordon Gilbert. Relationships among three measured levels of personality functioning: fantasy, self-assessment, coping activity, and their relationship to ratings of real life behavior.

The University of Florida

DUNCAN, Helen Gene. The effect of group orientation on the outcomes of vocational counseling.

The Florida State University

FARREN, Donald R. The effect of length of food and water deprivation and schedule of noxious stimulation upon production of ulcers in the rat.

FLETCHER, Samuel J. The effect of single verbal stimuli and combination of verbal stimuli on emission of a class of words or sentences.

KENT, Eric G. Binaural beats: their perception by individuals with and without organic brain pathology.

Fordham University

BENT, Russell J. The effects of trifluoperazine on psychological correlates of schizophrenia.

BULATAO, Rev. Jaime C. The direction of aggression in clinically depressed women.

CROSS, Jane. Age and selected mental functions as correlates of the CFF response in children.

D'ANGELO, Rita Y. An evaluation of group psychotherapy with institutionalized delinquent girls.

Harvard University

CONNERS, Carmen Keith. Needs for affiliation and response to social influence.

CORTÉS, Juan Bautista. Physique, need for achievement, and delinquency.

FITZGERALD, William Edward. A psychological factor in Legg-Perthes Calvé disease.

KAHN, Michael. A polygraph study of the catharsis of aggression.

KREMEN, Irwin. Dream reports and rapid eye movements: an appraisal.

PLOG, Stanley Clement. Flanders vs. McCarthy: a study in the technique and theory of analyzing congressional mail.

SHAFFER, John Barton Payne. The sojourner's orientation to a new culture: a study of Scandinavians in America.

University of Houston

GAVALES, Daniel. Relationships between self-portrayal and psychopathology.

MANCUSO, Cullen Joseph. The role and influence of sociological variables in clinical judgment.

ROESSLE, Elwood Osborne. Socio-cultural correlates of psychiatric diagnoses.

University of Illinois

CAPUTO, Daniel Vincent. Characteristics of the parents of schizophrenics.

ELLIOTT, Rogers. Interrelationship among measures of field dependence, ability, and personality traits.

LOMONT, James Francis. The forgetting of performances inconsistent with the self concept.

Indiana University

FELDMAN, Solomon Elliott. Responses to ambiguous "concept-classes" as a function of frequency of association during learning.

HARROW, Martin. Factors involved in the facilitative effects of learning reversal shifts.

KURZ, Ronald Burton. A comparison of the effects of three kinds of stressors on human learning and performance.

MARSTON, Albert Rudolph. Some experiments on stimulus classification with implications for personality theory.

PARRISH, John M. Effects of external control and ambiguous information on generalized expectancy changes for self and others.

SPRAGUE, Robert Lee. Effects of visual and auditory practice on tachistoscopic thresholds.

SPREEN, Georgia Orms Windman. Elicitation of imitative responses in a verbal conditioning experiment.

State University of Iowa

FOGEL, Max Leonard. An analysis of the "parietal symptom-complex" with special reference to the Gerstmann syndrome.

HILLS, Barbara Behrens. The effects of need for achievement, achievement imagery and test anxiety on arithmetic performance.

HILLS, David Allen. The California personality inventory flexibility scale, motivation instructions, and some measures of behavioral rigidity.

University of Kentucky

BEGLEY, Carl Edward. A study of Freudian symbolism using the semantic differential.

ECKHARDT, William Edward. Self-acceptance and mental health.

HAERTZEN, Charles A. A test of a basic assumption of causation in factor analytic theory: changes in correlation between responses and changes in factor composition following the administration of LSD.

LEE, Joan Cook. Analysis and synthesis in judgment.

QUERY, William Theodore. An experimental investigation of self-disclosure and its effect upon some properties of psychotherapeutic groups.

Louisiana State University

BOOZER, D. Geraldine. Response sets as indicators of senescence and of psychopathology in old age.

CIEUTAT, Linda Gorenflo. Deviant responses as a function of mental deficiency.

GANNON, Donald Roy. The effect of consistent reinforcement and consistent non-reinforcement cues on discrimination learning.

GARCIA-PALMIERI, Rafael A. Autonomic response specificity and anxiety.

HAWKINS, William Andrew. Deviant responses, response variability, and paired associate learning.

HESTERLY, Sidney Otho. Deviant response patterns as a function of chronological age.

HOUSE, Charles Wesley. Response bias as a measure of emotional disturbance in children.

MORGAN, Patricia Kaye. Attitude change and group conformity in the psychopathic personality.

SAUNDERS, Hardis Hargrove. An experimental study of the relationship between satiation and aggression in nursery school children.

McGill University

KIMURA, Doreen. Visual and auditory perception after temporal-lobe damage.

SCHWARTZMAN, Alex Elie. Intellectual loss in schizophrenia.

University of Michigan

FREED, Griffith Osler. A projective test study of creativity in college students in visual arts.

GALINSKY, M. David. Personality development and vocational choice: a study of physicists and clinical psychologists.

GOFFMAN, Mae Lee Maskit. Management of aggression in preadolescent girls: its effect on certain aspects of ego functioning.

JACKSON, JR., Charles Wesley. An exploratory study of the role of suggestion in research on sensory deprivation.

LICHTENSTEIN, Edward. The relation of three cognitive controls to some perceptual and personality variables.

MARQUIS, John Neil. Fantasy measures of aggressive behavior.

ROSENTHAL, Robert Alan. Cognitive complexity and the implicit personality theory of the judge.

SMITH, Marguerite Anderson. Compliance and defiance as it relates to role conflict in women.

THARP, Roland George. A factor analytic study of marriage-roles: expectations and perceived enactments.

Michigan State University

CLAUSMAN, Raymond J. Subception as a veridical process and perceptual defense as avoidant and vigilant behavior.

University of Minnesota

SIVANICH, George. Test-retest changes during the course of hospitalization among some frequently occurring MMPI profiles.

WERTS, Charles Earl. Multidimensional analysis of psychological constructs.

University of Missouri

CIOTOLA, Paul Vincent. The effects of two contradictory levels of reward and censure on schizophrenics.

WILLIS, JR., Frank Neal. The movement interpretation of threat and level of self acceptance.

The University of Nebraska

STRIDER, Fred Donald. Self concept factors affecting judgments of others.

New School for Social Research

EBENHOLTZ, Sheldon M. An analysis of the relative roles of position learning and sequential associations in the serial learning process.

New York University

BERND, Siegfried M. Changes in the verbal productions of schizophrenics as a function of changes in ascribed examiner characteristics.

FURUNO, Setsu. Mid-group respondents to the F scale and their relationship to high and low authoritarianism.

LERNER, Mildred (Sherwood). The relationship of certain aspects of the body image of female schizophrenic patients to therapeutic success or failure.

MERACHNIK, Donald Alex. A study of color discrimination in adolescent groups of differing mental capacities.

NOVICK, Jack I. The effectiveness of brief psychotherapy as a function of ego strength.

NYMAN, Lawrence. The relationship between the ability to perceive human movement response in the Barron ink blot test and the reaction to delay in word-naming and reaction time situations.

PETERS, Alice. An investigation of the relationship between the inability of some women in psychotherapy to accept their female role and their perception of their mothers' attitudes toward the female role.

ROSENBERG, Israel Henry. An experimental investigation of some effects on stutterers of Pacatal-aided group psychotherapy.

SHEIN, Samuel T. The influence of reading and time variables on group intelligence tests at the college level.

SIEGAL, Phillip Gerald. The effect of varying acquisition trials and extinction trials on the relearning of a maze habit.

STRICKER, Lawrence John. Some item characteristics that evoke acquiescent and social desirability response sets on psychological scales.

The University of North Carolina

FIDDLEMAN, Paul Barry. The prediction of behavior under lysergic acid diethylamide (LSD).

FORSYTH, JR., Ralph Patterson. MMPI and demographic correlates of post-hospital adjustment in neuropsychiatric patients.

HENRICHS, Theodore Fred. The effect of sensory reduction and personality information on self-concept and personal adjustment.

Northwestern University

RENNER, Kenneth Edward. Delayed reward learning as a function of drive level and cue distinctiveness.

The Ohio State University

BLACKMAN, Sheldon. Some factors effecting the perception of events as chance determined.

BORELLI, George Louis. A study of the meanings of Rorschach cards through use of semantic differential technique.

EPSTEIN, Ralph. Verbal conditioning in children as a function of sex-role identification, internal control, and need for approval.

FLYNN, John Charles. Cooperative and non-cooperative game strategies as a function of perceived differential ability in the triad.

HOLDEN, Kenneth Baker. A non-verbal measure of differences in extinction in skill and chance situations.

McKINNEY, John Paul. A multidimensional study of the behavior of severely retarded boys.

MOSHER, Donald Leo. The development and validation of a sentence completion measure of guilt.

MUELLER, Vernon John. The relationship between measures of the appropriateness of counselor sub-role behavior and interview outcome.

NORTON, Bruce Augustus. Personality characteristics of militarists and pacifists.

PEDERSEN, Frank Alfred. Variation of monetary reward and social involvement in a two-person game.

POHLMAN, Edward Wendell. A study involving client preferences for counselor behaviors in counseling.

SIMMONS, William Louis. A comparison of internal and external control in rigid and non-rigid learning situations.

SUNDLAND, Donald Marvin. Psychotherapists' self-perceptions and patients' perceptions of their psychotherapists.

The University of Oklahoma

BAUMBERGER, Theodore Shriver. Identification differences between accepted and rejected children at one critical stage of ego development.

SHEWMAKER, Kenneth Lee. Contact cue preference as a function of withdrawal and regression in schizophrenia.

Oklahoma State University

CAFFEY, Thomas Patrick. The relationship between frustration and self-injurious behavior in mental retardates.

University of Oregon

LAMY, Richard Emile. Conceptions of maladjustment and mental illness among college undergraduate students.

University of Pennsylvania

DUFFY, James Francis. The effects of induced anxiety of the incidental learning of high and low anxious subjects.

MAGAZINER, Daniel Edward. The effects of insecurity upon aggressive responsiveness.

University of Portland

MAKSIMCZYK, Walter John. Multiple concepts of delinquency.

MARSH, Loyal Francis. The meaning of Rorschach Cards IV and VII.

RAAUM, Carroll F. Prediction of interpersonal behavior in problem-solving situations.

WILCOX, Carol Lea. The effect of ECT on visual-motor, perceptual and conceptual functions.

Purdue University

CERBUS, George. Personality correlates of picture preferences.

EBNER, Eugene. Verbal conditioning in schizophrenia as a function of degree of social interaction.

FAETH, JR., Harold William. An experimental investigation of two types of projection.

KOPPENHAVER, Neil David. The effects of verbal and non-verbal reinforcement on the performance of schizophrenic subjects.

OTTINGER, Donald Ray. Some effects of maternal inconsistency and emotionality level upon offspring behavior and development.

ROSENBERG, Anna Maria Larson. Generalization of verbal behavior.

SMITH, Shirley Allen. Effect of early experience and age upon learning.

Radcliffe College

DITMORE, Mary Catherine Hampton. The patient's view of mental illness.

The University of Rochester

BENHAM, Frank G. The relationship of parental understanding and parental attitudes to adjustment of residential visually impaired adolescents.

St. Louis University

BARBER, William Howard. Social interaction and severity of emotional disturbance.

DALY, Dennis Charles. Psychodrama as a core technique in milieu therapy.

University of Southern California

CARUTH, Clifton J. Clinical implications of verbal learning without awareness: an experimental study.

DE MILLE, Richard. Intellect after lobotomy in schizophrenia: a factor-analytic study.

ILANIT, Nathan. Some psychological correlates of the process-reactive concept of schizophrenia.

MALEK, Zena Bella. The effects of group experiences on the aged.

WEBB, Allen Paul. Sex-role preferences of early adolescents in relation to adjustment.

Stanford University

AHMAD, Farrukh Zahur. Aspects of psychotherapy related to psychotherapists' responses to dependency.

BERGIN, Allen Eric. Personality "interpretations" as dissonant persuasive communications.

CLEMES, Stanley Ronald. Repression and hypnotic amnesia.

GOLDMAN, Jeri Joan Richards. The relation of certain therapist variables to the handling of psychotherapeutic events.

OSKAMP, Stuart Willard. The relationship of clinical experience and training methods to several criteria of clinical prediction.

OWEN, Freya Weaver. Asthma and maternal stimuli.

TERRILL, James McGuffin. The relationships between level II and level III in the interpersonal system of personality diagnosis.

Syracuse University

MAC CASLAND, Barbara Whittredge. The relative of aggressive fantasy to aggressive behavior in children.

MARTIN, Randall Blaine. Word frequency as a factor in the conditioning of verbal behavior.

VAN PELT, Warren Palmer. Perceptual-cognitive development as reflected in Rorschach test content.

Temple University

ABRAMS, Stanley. The relationship of repression, projection and preference in the realm of hostility.

FELICE, Antonio. Some effects of interpersonal interaction on the test performance of schizophrenics.

LASKY, David I. The relationship between fantasy and hostile behavior as a function of different behavioral and fantasy measures.

ROSENFELD, Joseph G. The effects of social reinforcing variables on the word recognition responses of schizophrenic and non-psychiatric patients.

SMITH, JR., Stanley Keck. A factor-analytic study of the Rosenzweig picture-frustration study as a predictor of academic success.

STICKLER, James Irwin. Some personality traits of juvenile delinquents as indicated by a rating technique utilizing the Symonds picture story test.

The University of Tennessee

HORNER, Robert Franklin. A search for important stimulus variables in the early family relationships of schizophrenic patients.

PEOPLES, Landon Crocker. A study of important stimuli in the lives of men with lung cancer.

The University of Texas

BELL, JR., Robert Louis. Factors influencing attitudes toward hospital discharge in neuropsychiatric patients.

BRODSKY, Marvin Jerome. Interpersonal stimuli as interference in a sorting task.

CHOROST, Sherwood Bruce. Parental child-rearing attitudes and their correlates in adolescent aggression.

KREGARMAN, John Jerome. Arbitrariness of frustration and aggression.

NORTH, George E. Stereotypy and the role repertory test.

ROTHAUS, Paul Bertram. The experimental reduction of hostility.

THORPE, Joseph Stephen. Level of perceptual development as reflected in responses to the Holtzman inkblot technique.

VELDMAN, Donald John. Hostility and self-evaluation.

University of Toronto

GIBSON, David. Intellectual status and the cardinal stigmata of mongolism: a study in the dimensions of mongolism.

Vanderbilt University

BISHOP, Melvin Puckett. Psychotoxic effects of schizophrenic plasma in the rat.

BROWN, Mortimer. Attitudes and personality characteristics of mothers and their relation to infantile colic.

HAVENER, Philip Henry. Distortions in the perception of self and others by persons using paranoid defenses.

McGEE, Richard Keith. The relationship between response style and personality variables: acquiescence and social orientation.

PESETSKY, Fred John. Variability in the meaning of deviant behavior.

Washington State University

BLOOD, Kenneth Harry. A study of the relationship between anxiety and ambiguity tolerance.

FARAHMAND, Saied Shamlu. Personality characteristics and child-rearing attitudes of fathers of schizophrenic patients.

LEDERMAN, Donald George. Delinquency and the concept of identification.

MARCHIONNE, A M. Cognitive and drive properties of censure in schizophrenic learning.

SHAW, James Howard. Memory processes in schizophrenics and normals.

STARR, Sheldon. The relationship between hostility-ambiguity of the TAT cards, hostile fantasy, and hostile behavior.

Wayne State University

BRAUN, Jean S. An investigation of the relationship between concept formation ability and reading achievement at three development levels.

BRUCK, Morris. The relationship of perception of incongruity to set and stress associated with feelings of inadequacy in normal and abnormal groups.

CHODORKOFF, Joan R. Infant development as a function of mother-child interaction.

NORTON, Aurelia Evangeline Turner. Cognitive control styles as factors in probability learning involving cue conflict.

Western Reserve University

HOGUE, J. Pierre. An analysis of psychologists ratings based on projective tests and their relationships to job performance ratings and objective tests.

MYERS, Ruth A. The differences in adjustment between traumatically disabled and gradually disabled individuals.

OLTMAN, Ruth Marie. Personality differences between orthopedically handicapped and non-handicapped persons as measured by the Thematic Apperception Test.

TUCKER, Gregory Evarts. A study of verbal accessibility in hospitalized paranoid schizophrenics in response to two styles of interviewing.

WORDEN, Don Keith. The intellectual functioning of boys with pseudohypertrophic muscular dystrophy.

The University of Wisconsin

COWDEN, James E. Affective responses of institutionalized delinquents to authoritarian and permissive treatment.

LEWIN, Mark Henry. Change in social desirability responses as a function of direct instructions, verbal reinforcement, role playing and counter-conditioning.

EXPERIMENTAL

University of Arizona

BARTZ, Albert E. Recognition time for symbols in peripheral vision.

MACDORMAN, Carroll Fredric. The effects of variations of rhythmical components upon the accuracy of synchronization.

RIVOIRE, Jeanne L. The development of reference systems in children.

Baylor University

DIGIOVANNI, Joan Fimbel. Effects of ataractic drugs on latency measures of rats on lashley jumping apparatus.

REYNOLDS, Herbert Hal. An experimental investigation of the effect of rearing in social isolation on escape learning and performance, and the influence on performance derived from a change in the social state.

Boston University

BOY, Angelo Victor. An experimental study of the effectiveness of client-centered therapy in counseling students with behavior problems.

KLEIN, Malcolm Ward. Ambiguity and response conflict: a conceptual and experimental analysis.

Brandeis University

GIDDON, Donald Bernard. The relation of a cholinesterase-like substance in parotid saliva to psychological functioning.

Bryn Mawr College

DATTA, Lois-ellin G. Some experiments on learning in the earthworm, *Lumbricus terrestris*.

The University of Buffalo

FLAKUS, Walter Joseph. The acquisition of two different shock-avoidance responses to two different initially neutral stimuli.

University of California, Berkeley

CONRAD, Walter Karr. Prediction of TAT imagery from measures of arousal.

DONDIS, Ernest Herman. Verbal recognition thresholds and selective response sets.

LUCERO, Carol Barnes. Visual discrimination of camouflaged figures.

STEARNS, Edward Robinson. The effect of non-response extinction on instrumental approach response.

University of California, Los Angeles

EDWARDS, Allen E. The conditioning of judgement. An attempted integration of adaptation level effects into stimulus generalization research.

ELIAS, Henriette Groot. An attempt to produce changes in attitudes toward the self by means of verbal conditioning.

FINK, Josephine Helena. A psychophysiological comparison of brittle and stable diabetics.

GRIFFITHS, Roy Scott. Electrophysiological responses in the visual cortex of the monkey (*Macaca mulatta*) to spectral stimulation.

GUSTAFSON, Lawrence A. Some effects of meprobamate on autonomic response patterns.

HEWETT, Frank Morris. An investigation of the effect of pleasant and unpleasant affective-tone on learning and recall of words among delinquent and nondelinquent adolescents with reading problems.

MASS, Marilyn. Effects of food deprivation on time out behavior.

SIMON, Seymore. The effects of training on word association originality and unusual uses.

Carnegie Institute of Technological

FOLLEY, JR., John David. A study of strategies in procedural task performances.

LAUGHERY, Kenneth Ronald. An information processing analysis of problem solving behavior.

LINDSAY, Robert Kendall. The reading machine problem.

University of Cincinnati

WILSON, John Carroll. The effect of abstraction and generalization orientation on the creation of concepts.

Clark University

CLARKSON, Frank Edward. A developmental analysis of the performance of children and adults on a maze learning and an embedded figures task.

SWITZER, Janet. Developmental differences in place and name sequence learning in normal, hyperactive, and hypoactive eight and twelve year old boys.

University of Colorado

GILLIS, Willie Mae. Influence of position within a social structure upon levels of expected and actual performance.

Columbia University

ERLENMEYER-KIMLING, Loise Fay. A genetic analysis of geotaxis in *Drosophila melanogaster*.

NAZZARO, James Russell. Bisection of a visual spatial interval.

YONEMURA, Gary T. Luminance threshold as a function of angular distance from an inducing source.

The University of Connecticut

BROWN, Elliott Morton. Spatial gradients of approach-avoidance conflict with a chlorpromazine parameter.

WHITMARSH, Gerald Arthur. A comparative study of two theories of verbal generalization.

Cornell University

BESHARAT, Jalal Dean. Maternal deprivation and adoption in sheep and goat. An ethological study.

DODDS, Josiah Boggs. An experimental study of the determinants of affiliation imagery in thematic apperception stories.

HAY, John Cameron. The importance of optical motions for visual space perception in man.

University of Denver

SPRINGFIELD, Cecil Gene. Feeding frustration and its influence on eating, body weight and social competitive behavior for a food reward in the rat.

Emory University

BARKER, Harry Ross. Scaled adjectives as verbal incentives on tasks at two levels of competition.

The Florida State University

DAWSON, William Woodson. The corneal afferent system: a deviation from Helmholtz's theory of specific fiber energies.

DURYEA, Walter Robert. The effects of X-radiation upon the development of behavior in the rat.

HOFFMAN, Carl Stuart. Comparison of monocular and binocular color matching.

PRUTSMAN, Thomas Damon. The efficacy of some commonly used verbal stimuli as a function of the response class with which they are used.

SCHUSTERMAN, Ronald Jay. The use of strategies in the decision-behavior of children, chimpanzees and monkeys.

Fordham University

CLARKE, Margaret Mary. The effect of caffeine on absolute thresholds in pain and vision.

FITZGERALD, Maureen. Relationship between expressed self-esteem, assumed similarity, and self-disclosure.

LEVEE, Raymond F. A reinvestigation of subjective scales of brightness.

MARRON, Joseph E. The effect of manifest anxiety and induced anxiety on human performance on feedback and non-feedback complex problems.

MURRAY, Patricia. A quantitative study of the Ames' oscillatory illusion.

George Peabody College for Teachers

HODGES, Walter Lee. The effect of task discriminability, response similarity, and learning ability on retroaction.

University of Houston

ENETE, Noble Dewey. Differential behavioral effects of emotional facilitation from central and peripheral stimulation.

University of Illinois

BLAUFARB, Herbert. The relation of experimenter status and achievement imagery to the conditioning of verbal behavior.

CHRISTENSEN, Kent Ronald. Isohedonic contours in the sucrose-sodium chloride area of gustatory stimulation.

FROELICH, Dean Kenneth. The effects of anxiety and types of stress upon verbal serial learning.

KOPSTEIN, Felix Friedrich. An experimental exploration of the interaction between teaching and learning behavior.

LINDHOLM, Byron Walter. Critical periods and the effects of early shock on later drinking behavior in the white rat.

MCMICHAEL, Robert Edwin. The effects of preweaning shock and gentling on later resistance to stress.

MUCKLER, Frederick Arthur. Transfer of training with long period oscillatory control system transients.

TAPP, Jack Thomas. Reversible cortical depression and avoidance behavior in the rat.

State University of Iowa

LEONARD, Samuel David. Effects of single task learning and multiple task learning on subsequent learning.

LUDVIGSON, Harold Wayne. The effects of chlorpromazine and d-amphetamine on eyelid conditioning.

McCLENAHAN, Mary Louise Phelps. The relationship of test-defined needs to illuminance matches of need-related pictures.

PRICE, Louis Elliot. The effect of type of verbal pretraining on transposition in children.

SHELDON, Richard Wallace. Tendency to analyze as a factor in the acquisition and reacquisition of skill on successive serial motor tasks.

Indiana University

ANDERSON, Clinton DeWitt. A six-interval observation experiment in audition.

GUNDY, Richard Floyd. The detection of an unspecified signal: auditory discrimination learning.

JOHNS, Gilbert Roland. Secondary reinforcement in a two-choice situation.

MILLER, Marilyn Evelyn. The effect of the degree of stimulus overlap and of changes in irrelevant cues upon discrimination learning and reversal.

MILLWARD, Richard Bolster. A comparison of two learning models for two-choice conditioning experiments involving non-reinforced trials.

NUNIS, JR., Troy Edward. Responses to the reinforcing stimulus as a variable in learning experiments.

REVUSKY, Samuel H. Some effects of hunger and frequency of reinforcement of timing.

RUSSELL, Ian Steele. Analysis of responding during operant discrimination.

SHEARN, Donald Walter. Operant conditioning of heart rate.

The Johns Hopkins University

CARSON, Daniel Harris. Letter constraints within words in printed English.

CRAMER, Elliot Myron. The long-term effects of experience on judgments of loudness and a comparison of three methods of fitting the normal ogive.

SAFREN, Miriam Aronstein. Associations, sets, and the solution of word problems.

SNYDER, Harry Leroy. Saccharine concentration and deprivation as determinants of instrumental and consummatory response strengths.

TAYLOR, Maurice Martin. The effect of anchoring and distance perception on the reproduction of forms.

University of Kansas

FISCH, Ralph Irving. The effect of conditioning of attention on depth perception and speed of object recognition.

KIRSCHENBAUM, Martin Jules. The effects of verbal reinforcement and experimenter attitude on the perception of a three-dimensional mirror cube illusion.

University of Kentucky

YAMAHIRO, Roy Shigeki. The role of reduced peripheral autonomic activity and intensity of the unconditioned stimulus in the acquisition and extinction of an avoidance response.

Lehigh University

FOZARD, James Leonard. Acquisition and extinction of an instrumental running response under different intertrial intervals.

Louisiana State University

CIEUTAT, Victor Joseph. Pre-learning visual familiarity, added associations, serial position, and serial verbal learning.

WAGNER, JR., Mervyn Kenneth. Restriction of the unconditioned response and its effect upon the learning of an instrumental avoidance response.

University of Maryland

YORK, Cyrus Michael. Behavioral efficiency in a visual monitoring task as a function of signal rate and observer age.

ZIMMERMAN, Joseph. Timing behavior in rats as a function of some temporal variables.

University of Michigan

BRAUNSTEIN, Myron Lee. Rotation of dot patterns as stimuli for the perception of motion in three dimensions: the effects of numerosity and perspective.

CARNEY, Richard Edward. An analysis of university student behaviors with measures of ability, attitude, performance and personality.

CREELMAN, Carleton Douglas. Human discrimination of auditory duration.

DORFMAN, Donald. Some effects of drive on the perceived intensity of a stimulus.

ISON, James Ratcliffe. Changes in instrumental response speed following rewarded endbox placement.

KIMBLE, Daniel Porter. The effect of bilateral hippocampal damage on cognitive and emotional behavior in the rat.

KONG, Yi-chi Mei. A study of factors affecting antibody formation by splenic tissues.

LONGYEAR, Christopher Rudston. Linguistically determined categories of meanings: a comparative analysis of meaning in "The Snows of Kilimanjaro" in English and German.

O'CONNELL, Richard Howard. Factors affecting the choice-point behavior of the rat: alternation and stimulus change.

PARADISE, Noel Edwin. Traumatic avoidance learning: the extinction of an avoidance response by electric shock.

RABE, Ausma. The effect of subcortical stimulation on memory and responsiveness in rats.

SAMUELS, Ina. The effect of electrical stimulation of the thalamus on the performance of rats during visual discrimination learning.

SMITH, Stanley Wallace. Time required for target detection in complex abstract visual displays.

SPERLING, Sally Edith. Resistance to extinction following nondifferential reinforcement of irrelevant stimuli.

WOLSK, David. The discrimination limen for loudness under varying rates of intensity change.

University of Minnesota

DAVENPORT, Donald Gene. The galvanic skin response as a function of classical conditioning, "instructional" conditioning, and clinical anxiety.

HATCH, Richard Stearns. An evaluation of a forced-choice differential accuracy approach to the measurement of supervisory empathy.

JERDEE, Thomas Harlan. Supervisor perception of subordinate attitudes.

MARTIN, James Gordon. Mediated transfer in two verbal learning paradigms.

STUDDIFORD, Walter Beekman. Stimulus contiguity: an investigation of operant discriminative effects of simultaneous presentation of stimuli in two modalities.

University of Missouri

BROWNSTEIN, Aaron Joseph. The effects of reinforcement magnitude on nondifferentially reinforced choice behavior.

New School for Social Research

ANDERSON, Pauline K. An investigation into the role of self understanding in understanding others.

KAUFMAN, Lloyd. An investigation of the moon illusion.

LIEBEN, Beatrice Usdan. Individual differences in retention; an exploratory study.

The University of North Carolina

CAMPBELL, B. J. Some effects of altering amount and type of reinforcement in operant behavior of pre-school children.

Northwestern University

CARLSON, Jean Burke. Effect of amount and distribution of inspection time and length of delay interval on size of kinesthetic aftereffect.

WALKER, Ronald Edward. The interaction between failure, manifest anxiety, and task-irrelevant responses in paired-associate learning.

The Ohio State University

BALDWIN, Thomas Sanderson. The relationships among personality, cognitive, and job performance variables.

FLETCHER, Harold John. A re-examination of conditioning to elements of a complex as a function of differential onset times.

FUCHS, Alfred Herman. The progression-regression hypotheses in perceptual motor skill learning.

HUNT, Darwin Paul. The effect of the similarity of the nonreinforced CS to the reinforced CS on the acquisition and extinction of a conditioned response.

KIKER, Vernon Lee. An investigation of the influence of visual training on timing in certain athletic skills.

KINKADE, Robert Gaffner. The effect of augmented feedback on the acquisition and transfer of a tracking skill.

MEYER, Patricia Morgan. A behavioral analysis of cats with extensive neocortical ablations.

ORNSTEIN, George Norman. Applications of a technique for the automatic analog determination of human response equation parameters.

SIEGEL, Jerome. An experimental analysis of the reinforcing effect of light stimulation.

The University of Oklahoma

GOLDBERG, Ira. The effects of sensory deprivation on intellectual efficiency as a function of personality.

University of Oregon

MEYERS, William James. Physiological and behavioral effects of early experienced stress and gentling.

University of Pennsylvania

HUNTER, George Fred. The discriminative and secondary reinforcing functions of a stimulus associated with shock termination.

The Pennsylvania State University

GOLDSTEIN, Donald Aaron. An expression for the test characteristic kurtosis in terms of item parameters and an estimate of a quality appearing in this expression.

HAAS, Kurt. A learning theory explanation of perceptual defense.

HANEK, Michael. An experimentally induced approach-avoidance conflict and the measurement of elicited fear by an operant response.

HERMAN, Louis Marvin. Processing of information on an auditory tracking and an auditory judgment task presented simultaneously.

HUNDLEBY, John Dennis. Item characteristics and skewness of observed score distributions.

KNIGHT, Walter Rea. Early social experience, aggressive behavior, and social stress in laboratory rats.

MELLO, Nancy Kishlar. Patterns of extinction following frontal pole lesions of the rat brain.

ROBERTSON, JR., Joseph Gray. Decision making in two-person two-choice zero-sum games under different incentive conditions.

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University of Pennsylvania

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BITTNER, Egon. Popular interests in psychiatric remedies: a study in social control.

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The Catholic University of America

DOUGLAS, Ann M. Social factors which affect career choice in psychiatric nursing. (Studies in Sociology, Abstract Series, Vol. No. 16.)

KLEIN, Joyce Gale. Adult education and treatment groups in social agencies.

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SOCIOLOGY

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MATHEWS, Marie Von Driska. Some implications of a sociological theory of delinquency for institutional rehabilitation.

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FAMILY

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YAP, Agelita Quiason. The study of a kinship system: its structural principles. (Studies in Sociology, Abstract Series No. 45.)

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ARASTEH, Josephine. A study of the family in Iran.

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GILLETTE, Thomas Lee. The working mother: a study of the relationship between maternal employment and family structure as influence by social class and race.

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KING, Elsie Viola. Personality characteristics—ideal and perceived in relation to mate selection.
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PUBLIC WELFARE

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PILIAVIN, Irving Morris. An investigation of conflict between cottage parents and other staff in juvenile correctional institutions.

PIVEN, Herman. Professionalism and organizational structure training and agency variables in relation to practitioner orientation and practice.

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LEWIS, Walter David. Punishment and reformation in New York, 1796-1861: a study in prison reform.

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AL-MASHAT, Mohamed Saidq. Social change and delinquency in Iraq.

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SARAN, (Atav), Nephan F. An experimental study of the concept of anomie: its indicators and its relationship to juvenile delinquency in the city of Saint Louis.

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KNAPP, Vrinda Sharma. The role of the juvenile police in the protection of neglected and abused children.

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BELLOWS, Helen Elizabeth. A study of concepts used in community organization, group work, and casework.

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RACE QUESTION

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SOCIALISM, COMMUNISM, ANARCHISM

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LONGANBILL, G. Bruce. Cornelia Otis Skinner and her art-form of monologue-drama.

SPEKEEN, Fredrick James. A study of the preaching of the Reverend Charles Edward Jefferson.

TOWNE, Ralph Louis. Roosevelt and the coming of World War II: an analysis of war issues treated by Franklin D. Roosevelt in selected speeches, October 5, 1937, to December 7, 1941.

WILLIAMSON, Donald Gary. An investigation into abbreviated clinical procedures for hearing aid evaluations.

University of Minnesota

ANDRUS, Thomas Owen. A history of the legitimate theater in St. Paul, Minnesota from 1918 to 1939.

BARER, Bertram. An rhetorical analysis of the American Presentational Social Theatre of the thirties.

BERGMAN, Lucy Mae Erickson. A study of the relationship between selected language variables in extemporaneous speech and critical thinking ability.

BYSTROM, John Warren. Senator George W. Norris and the Muscle Shoals struggle: a study of rhetoric in legislative combat.

FREDRICKS, Mary Virginia. An approach to the teaching of oral interpretation in terms of dramatic action.

SCHINSKE, Erhart Alfred. The relationship of students' political frame of reference, critical thinking ability, and other variables to the recall and rationalization of political materials.

SHAPIRO, George L. An inductive investigation into the correlates of ability to predict opinion.

New York University

MARLOR, Clark Strang. Preparing plays for oral interpretation.

SPAULDING, Thelma Clement. The group theatre as it reflected selected contemporary problems.

Northwestern University

BOUGHTON, Charles R. Production problems in the pivotal scenes in six of Shakespeare's tragedies.

CAMERON, Donald J. Burton K. Wheeler as public campaigner, 1922-1942.

DICKSON, David Ross. An acoustic and radiographic study of nasality.

FARRANT, Roland Harvard. A factor analytic study of the intellectual abilities of deaf and hard of hearing children compared with normal children.

KETELS, Arthur O. The American drama of the twenties: a critical evaluation.

PAXSON, Omar M. Bernard Shaw's state directions.

RUDE, Roland V. A consideration of Jung's concept of the self as an aid to the understanding of character in prose fiction.

RUTHERFORD, Virginia. A study of the speaking career of Francis Wright in America.

THOMPSON, William D. A study in church audience analysis.

ZIEMANN, Norman C. A study of the communication course in selected colleges and universities in the United States.

Ohio University

ATTANASIO, Frederick Gerard. Duration of oral reading times and sound pressure level under conditions of delay and intensity of auditory side-tone transmission.

WARD, Allan Lucius. An historical study of the North American speaking tour of 'Abdu'l-Baha and a rhetorical analysis of his addresses.

The Ohio State University

BATCHELLER, JR., David Russell. The status of the technical director in American educational theatre.

BROWN, Irving Marsan. Cleveland theatre in the twenties.

BURTON, McKay Call. Reception thresholds of institutionalized mentally retarded children.

DUDGEON, Thomas Henry. Some business and political communication policies and procedures.

GARDNER, Harvey Jay. Influence of consonants on recognition of noise of [u] and [i].

HOPE, Ben Walter. The rhetoric of defense: a study of the tactics and techniques of refutation in President Franklin D. Roosevelt's speeches in his three campaigns for re-election.

HUTCHINSON, Edward Charles. A scaling and equating of defective speech.

JACKSON, Bernard Rex. The influence of a heard vowel sound upon the quality of a simultaneously spoken vowel.

LOGAN, Winford Bailey. An investigation of the theme of the negation of life in American drama from World War II to 1958.

McMANUS, Thomas Reed. A study of Robert A. Taft's speeches on social welfare issues.

MOHR, Phillip Joe. The radio and television listening habits and program preferences of eighth U.S. Army personnel in Korea, autumn, 1959.

NIXON, Charles William. Differential effect of breathing selected gases upon temporary auditory-threshold shift.

OBEE, Harold Brehm. A prompt script study of nineteenth-century legitimate stage versions of *Rip Van Winkle*.

PUGLIESE, Rudolph Edward. A promptbook investigation of *Macbeth* productions by the foremost English producers from 1800 to 1850.

SCULLY, Daniel William. Alfred Ayres, speech teacher, as a critic of late nineteenth-century American theatre.

The University of Oklahoma

HARRIS, Dean Allen. The evaluation and fitting of transistorized hearing aids.

KRUG, Richard Fred. Effects and interactions of visual and auditory cues in oral communication.

PATTERSON, J. W. A study of the changing views in selected foreign policy speeches of Senator Arthur H. Vandenberg, 1937-1949.

The Pennsylvania State University

HOPKINS, Jon James. A rhetorical analysis of the oratory of William Penn.

LEZAK, Raymond Joseph. Some aspects of comfortable loudness.

LUTERMAN, David M. The relationship between speech-sound discrimination ability and articulation of the (S) phoneme.

SHERK, Herman Dennis. William Gillette: his life and works.

University of Pittsburgh

FONT, John Francis. An investigation of the relationship of articulation and time to speech intelligibility among two groups of laryngectomized subjects.

GOLDMAN, Ronald. Comparisons of the goals that parents of stutterers and parents of non-stutterers set for their children.

HOLLAND, Audrey L. The development and evaluation of teaching machine procedures for increasing auditory discrimination skill in children with articulation disorders.

LERMAN, Jay W. The effects of situational difficulty and situational participation on anticipatory anxiety and overt stuttering.

LILLY, David Joseph. The effects of rate of attenuation and mode of signal presentation upon the amplitude of the Békésy envelope.

MARTIN, JR., Edwin W. Perceptions of typical and ideal speech therapy and ability to evaluate therapy.

MELNICK, William. A study of single automatic and single manual trial audiometry.

Purdue University

CLARK, William Keith. An analysis of contemporary speech education in American theological seminaries.

CURTIS, Warren Scott. Certain effects of auditory frequency filtering on the speech of stutterers.

JOHNSON, James Albert. A content analysis of the 1959-60 workshops of the Purdue U. cooperative extension inservice training program.

PACE, Ralph Wayne. An analysis of selected oral communication attributes of direct-selling representatives as related to their sales effectiveness.

SANBORN, George Allen. An analytical study of oral communication practices in a nationwide retail sales organization.

SIMONS, Herbert William. A comparison of communication attributes and rated job performance of supervisors in a large commercial enterprise.

SMITH, Donald Richard. The political speaking of Henry F. Schriker of Indiana.

TYSON, Raymond Warren. The congressional speaking of Thaddeus Stevens.

WAITE, Donald Allen. The Evangelistic speaking of Billy Graham.

University of Southern California

DABBS, Phyllis Selby. A descriptive analytical study of ethical standards in contemporary American public address.

DUPLER, Dorothy. An analytical study of the use of rhetorical devices in three selected plays of George Bernard Shaw, etc.

LIVINGSTON, Harold M. An experimental study of effects of interest and authority upon understanding of broadcast information.

PRIDDY, Earl Washington. A historical study of speech education at the University of Southern California (1880 through 1950).

REYNOLDS, Nydia Joan. A historical study of the oral interpretation activities of the circuit Chautauqua.

SALISBURY, Harold Eugene. A survey and analysis of current attitudes toward censorship of the legitimate theater in the United States.

WILLS, John William. An empirical study of the behavioral characteristics of sincere and insincere speakers.

Stanford University

BOSMAJIAN, Haig Aram. The rhetoric of the national Socialist speakers.

CALVERT, Donald Raymond. Some acoustic characteristics of the speech of profoundly deaf individuals.

GRAHAM, James Tyson. An analysis of certain psychophysical parameters of tinnitus aurium.

KRUMM, Walter Courtney. The San Francisco stage, 1869-79.

STITT, Clyde LeRoy. Relationships between certain measures of auditory abilities and judgments of articulation proficiency.

University of Utah

BORCHARDT, Donald Arthur. The dramatic nature of the English morality play.

University of Washington

OUELLETTE, Eugene George. A study of selected variables and their relationship to delayed sidetone response.

Wayne State University

HURST, JR., Charles G. Speech and functional intelligence: an experimental study of educational implications of a basic speech course.

SANDLIN, Robert Eugene. Spectrographic analysis of vowel formants as modified by hearing aid response.

SIVIER, Evelyn Mary Miller. A study of interpretative speech in England 1860-1940.

Western Reserve University

BALDWIN, W. Burroughs. An annotated translation of the three discourses of Pierre Corneille with a critical introduction.

BOUDREAUX, Jean Rose. A study of parents of children with language disorders.

HEFFLER, Allan Jordan. Some clinical implications of binaural signal selection for auditory rehabilitation.

JOHNSON, Frank W. C. Rhetorical criticism of the speaking of William Jennings Bryan and Clarence Seward Darrow at the Scopes trial.

The University of Wisconsin

ALLEN, Ronald Royce. The effects of interpersonal and concept compatibility on the encoding behavior and achievement of debate dyads.

ANDERSEN, Kenneth Eldon. An experimental study of the interaction of artistic and non-artistic ethos in persuasion.

AYLWARD, Thomas James. A study of the effect of production techniques on a televised lecture.

DAVIS, Marion Lorene. The modern dance as dramatic theatre (a comparison of selected elements).

GALLAGHER, Betty. The effect of instructions on certain like-dislike responses of first grade children to defective articulation.

JACKSON, Teddy Randolph. The effects of intercollegiate debating on critical thinking ability.

JENSEN, Jay Robert. A study of certain motor-speech aspects of the speech of multiple sclerotic patients.

KENDALL, Herbert Bruce. The reporting and criticism of speeches in four weekly magazines.

LINKUGEL, Wilmer Albert. The speeches of Anna Howard Shaw: collected and edited with introduction and notes.

NELSON, Lois Audrey. A study of certain cognitive aspects of the speech of multiple sclerotic patients.

PEET, Alice Lida. The history and development of simultaneous scenery in the west from the Middle Ages to modern United States.

SCHILLING, Lester Lorenzo. The history of the theatre in Portland, Oregon 1846-1959.

SMITH, R. Franklin. Cecil Brown: a case study in broadcast commentary.

SPENCER, Donald Clifton. Operatic music as a theatrical convention.

Yale University

TARANOW, Gerda. The art of Sarah Bernhardt.

ZOOLOGY

University of Alabama

CLIBURN, Joseph William. The phylogeny and zoogeography of North American *Natrix*.

OLIVER, Victor Lord. The distribution of trichinae larvae in the muscles of experimentally infected rats.

University of Arizona

BRADSHAW, Gordon Van R. A life history study of the California leaf-nosed bat, *Macrotus californicus*.

GEORGE, William Gordon. The taxonomic significance of the tongue musculature of Passerine birds.

HAYWARD, Bruce Jolliffe. The natural history of the cave bat, *Myotis velifer*.

Auburn University

DUPREE, Daniel Edward. Existence and uniqueness of interpolating rational functions.

MINTON, Norman Alton. Investigations into the resistance of cotton to root-knot nematodes, *Meloidogyne* Spp.

University of British Columbia

- PRAKASH, Anand. A histochemical study of the distribution and differentiation of alkaline phosphatase in the gastro-intestinal tract of steelhead trout (*Salmo gairdnerii gairdnerii*).

University of California, Berkeley

- ARNOLD, William James. The anatomy of the cephalic nervous system of the cockroach, *Periplaneta americana* (L.), with histological and histochemical studies of the brain.
- BENNETT, Frederick Douglas. The taxonomy, biology, and parasites of some California species of *Leucopis* (Chamaemyiidae: Diptera).
- BROWN, Jerram Lefevre. An analytical study of aggressive behavior in the Steller's jay.
- CHEMSAK, John Andrew. Taxonomy and bionomics of the genus *Tetraopes* (Coleoptera: Cerambycidae).
- COOK, JR., Sherburne Friend. Coexistence and competition in two species of legume aphids.
- DeROOS, Roger McLean. The corticoids of the avian adrenal gland.
- DE SILVA, Mervyn Dominic. The feeding habits of the damsel bug *Nabis ferus* (Linnaeus).
- FISLER, George Frederick. Speciation and ecology of salt-marsh harvest mice (*Reithrodontomys*) of the San Francisco Bay region.
- FJELD, Per. Morphological and experimental studies on *Tracheloraphis californiensis* N. sp.

GILBERT, Edward Emanuel. The genus *Baris* Germar in California (Coleoptera, Curculionidae).

HAMILTON, III, William John. Celestial directional orientation in juvenile waterfowl.

KAUFMANN, John Henry. The ecology and social behavior of the coati, *Nasua narica*, on Barro Colorado Island, Panama.

LINSDALE, Donld Dean. A revision of the Zarhipis and Phengodes occurring in America north of Mexico (Coleoptera: Phengodidae).

MACNEILL, Charles Don. The skippers of the genus *Hesperia* in western North America, with special reference to California (Lepidoptera: Hesperidae).

McCONKEY, Edwin Henry. Studies on the control of enzymes during early development in sea urchins and frogs.

MUSCATINE, Leonard. Some aspects of the relationship between a sea anemone and its symbiotic algae.

ORIAN, Gordon Howell. The ecology of social systems in the red-winged blackbird (*Agelaius phoeniceus*) and the tricolored blackbird (*A. tricolor*).

PARIS, JR., Oscar Hall. Population ecology of the terrestrial isopod *Armadillidium vulgare* (Latr.) in California grassland.

POWELL, Jerry Alan. Taxonomic and biological studies on the Tortricine moths of California (Lepidoptera: Tortricidae).

RUBY, Albert David. Proteins of the sperm flagellum and the mitotic apparatus: a biochemical and immunological investigation.

STASEK, Charles Robert. Studies on feeding and form in the bivalved mollusca.

TOPPOZADA, Amira. The metabolism of C^{14} -1-naphthol in certain insect species.

WARREN, Charles Edward. The influence of excessive organic enrichment on the ecology of the Tuolumne River.

WASBAUER, Marius Sheridan. A revision of male wasps of the genus *Brachycistis* in America north of Mexico (Hymenoptera: Tiphidae).

WELLINGS, Sefton Robert. Electron microscopic studies of the mammary gland of the C3H/Crgl mouse during pregnancy, lactation, and involution.

University of California, Davis

CATLETT, Robert Hewitt. Social behavior and bioenergetics in relation to density of C57BL house mice.

DODD, Everett Eugene. A cytochemical investigation of the nuclear changes in the cyst cycle of the ciliate *Tetrahymena heneguyi*.

SHELLHAMMER, Howard Stephen. An ethological and neurochemical analysis of facilitation in the wild mice *Mus musculus* and *Reithrodontomys megalotis*.

University of California, Los Angeles

ARAI, Hisao Philip. Studies on the taxonomy, host-parasite relations, and zoogeography of marine fish trematodes of the Californias.

COOK, James Richard. Light-induced division synchrony of *Euglena gracilis*, and the effects of visible light on related cells.

JOHNSON, Byron Floyd. Cellular and metabolic adaptations to temperature.

JOSEPHSON, Robert Karl. The colonial nervous system of hydroids.

LEE, Anthony K. The adaptations to arid environments in wood rats of the genus *Neotoma*.

LOUDERBACK, Allen Lee. The effect of heat-treatment on the process of growth and division in the yeast, *Saccharomyces cerevisiae*.

MACMILLEN, Richard E. Population ecology, water relations, and social behavior of a Southern California semi-desert rodent fauna.

PADILLA, George M. Studies on the synchronization of cell division in the colorless flagellate, *Astasia longa*.

PICKENS, Peter E. The heart rate of muscles as a function of latitude, intertidal height and experimental temperature.

REESE, Ernest S. Shell selection behavior of hermit crabs.

RUSSELL, JR., Homer T. Trematodes from shorebirds collected at Morro Bay, California.

STEIN, Elizabeth A. Sodium and potassium transfer across the membrane of the ciliated protozoan *Tetrahymena pyriformis*.

STEPHANS, JR., John S. A revision of the blennoid fishes of the American family Chaenopsidae.

TIMOURIAN, Hector. Studies on the specificity of immunological depression.

WRIGHT, David L. Cardiac studies on *Aplysia vaccaria*.

University of Chicago

APPLEGATE, Sheldon P. The fossil fish of the Moorville Chalk in Alabama.

GHENT, Arthur Warren. Experimental studies of the responses of two species of *Tribolium* to fresh and conditioned flours.

KRISHNA, Kumar. A generic revision and phylogenetic study of the family Kalotermitidae.

SCHNEIDER, Imogene Pauline. Modification of V-type position effects in *Drosophila virilis*.

SUZUKI, David Takayoshi. Interchromosomal effects on crossing over in *Drosophila melanogaster*.

University of Cincinnati

McDUFFIE, George Thomas. Studies on the ecology and life history of the copperhead, *Agkistrodon contortrix Mokeson* (Daudin), in Ohio.

Colorado State University

McCRAE, Robert Charles. Studies on the Caryophyllaeidae (Cestoda) of the white sucker, *Catostomus commersoni* (Lacepede) in northern Colorado.

Columbia University

BEARDSLEY, Robert E. Lysogenicity in *Agrobacterium tumefaciens*. [Reprinted from *Journal of Bacteriology*, Vol. 80, No. 2, August 1960, pp. 180-187.]

CLEMENTS-MERLINI, Margaret. The secretory cycle of iodoproteins in ammocoetes Part I: A radioautographic time study of the subpharyngeal gland. Part II. A radioautographic study of the transforming larval thyroid gland. [Reprinted from *The Journal of Morphology*, Vol. 106, No. 3, May 1960, pp. 337-356 and pp. 357-364.]

DE GIOVANNI, Rosalie Frances. The effects of deuterium oxide on bacteria.

DRUGER, Marvin. Selection and body size in *Drosophila pseudoobscura* at different temperatures.

DUBNAU, David Alan. The regeneration of flagella by *Ochromonae danica*.

ECKERT, Roger Otto. Reflex relationships of the abdominal stretch receptors of the crayfish.

FOWLER, III, James Alexander. Anatomy and development of racial hybrids of *Rana pipiens*.

NASS, Margit M. Kahlbrock. A comparative study of embryonic and adult frog actomyosin.

RAY, George Carleton. The application of Bergmann's and Allen's rules to the poikilotherms. [Reprint from *The Journal of Morphology*, Vol. 106, No. 1, January 1960. pp. 85-108.]

RUDNER, Rivka Zelcer. Mutation as an error in base pairing (I) (II).

SMITH, Issar B. Extracellular enzyme production in *Tetrahymena pyriformis*.

WARD, Robert Thomas. The origin of protein and fatty yolk in *Rana pipiens*.

The University of Connecticut

FRIED, Bernard. In vivo and in vitro studies on *Philophthalmus* sp., an ocular trematode.

Cornell University

ANDERSON, Robert Hilton. The laying worker in the cape honey bee (*Apis mellifera capensis* Esch.) and its development.

BENNETT, Esther Vorena. Aspects of vocalization in the Redwinged Blackbird, *Agelaius phoeniceus* (Linnaeus), as determined by audiospectrographic analyses.

DANE, Benjamin. A quantitative analysis of the display of the Goldeneye (*Bucephala clangula* (L.)).

FICKEN, Millicent Sigler. Behavior of the American Redstart, *Setophaga ruticilla* (Linnaeus).

FICKEN, Robert William. Behavior of the common Grackle, *Quiscalus quiscula* (Linnaeus).

HODGES, Ronald William. A revision of the Cosmopterigidae of America north of Mexico, with a definition of the Momphidae and Walshidae (Lepidoptera: Gelechioidea).

JAKES, Robert Paul. The ecology of polyhedrosis of the Cabbage Looper, *Trichoplusia ni* Huebner.

KALLEN, Frank Clements. Circulating blood volumes in the little brown bat (*Myotis lucifugus lucifugus*).

KNOWLTON, JR., Carroll Babbidge. A revision of the species of Halysidota Huebner known to occur north of the Isthmus of Tehuantepec (Lepidoptera, Arctiidae, Arctiinae).

McMANUS, Lawrence Robert. Studies of the Crayfish *Cambarus robustus* Girard.

NATION, James Lamar. A study of nitrogen excretion in insects.

VALENTINE, Barry Dean. The taxonomy and zoogeography of the Anthribid Weevils of the West Indies.

Duke University

CARTER, JR., William Gueston. The distribution of ants in the North Carolina Piedmont.

HIGGINS, Robert Price. Morphological, larval, and systematic studies of the Kinorhyncha.

Emory University

EISEN, James David. Effects of caffeine on the physiology and chromosome behavior of the ciliate, *Tetrahymena pyriformis*.

The University of Florida

BELKIN, Daniel Arthur. Anaerobic mechanisms in the diving of the loggerhead musk turtle, *Sternotherus minor*.

HOLMAN, J. Alan. Osteology of living and fossil New World quail.

JENNI, Donald Alison. The breeding ecology of four species of herons at Lake Alice, Alachua County, Florida.

WOOLFENDEN, Glen Everett. Osteology of the waterfowl.

The Florida State University

BORROR, Arthur Charles. Morphology and ecology of the benthic ciliated protozoa of Alligator Harbor.

DERY, Donald William. Host hibernation and its effects on *Schistosomium douthitti* and *Schistosoma mansoni* (Trematoda: Schistosomatidae).

HATHAWAY, Ralph Robert. Studies on interactions between spermatozoa and eggs of *Arbacia punctulata* and other echinoderms.

SASTRY, Akella Narasimha. Studies on the Bay Scallop, *Aequipecten irradians concentricus* Say, in Alligator Harbor, Florida.

University of Hawaii

HINEGARDNER, Ralph T. Studies on the sea urchin egg nucleus: its isolation, structure, physical properties and DNA content.

LEWIS, Alan Graham. A contribution to the biology of Caligoid Copepods parasitic on Acanthurid fishes of the Hawaiian Islands.

McMAHAN, Elizabeth Anne. Laboratory studies of *Cryptotermes brevis* (Walker) (Isoptera, Kalotermitidae) with special reference to colony development and behavior.

University of Illinois

GILLESPIE, Walter Lee. Breeding bird and small mammal populations in relation to the forest vegetation of the subarctic region of northern Manitoba.

HALL, John Sylvester. A life history and taxonomic study of the Indiana bat, *Myotis sodalis*.

HECKROTTE, Carlton. The effect of environmental factors on the locomotory activity of the plains garter snake (*Thamnophis radix radix*).

JERSILD, JR., Ralph Alvin. A study of the golgi response in intestinal epithelial cells of the rat during fat absorption as revealed by light and electron microscopy.

KINGSOLVER, John Mark. Evolutionary studies in the weevil genus *Lixus* (Coleoptera, Curculionidae).

KRAMER, James Phillip. The phylogeny of *Deltoccephalus* and allied genera. Homoptera: Cicadellidae: Deltoccephalinae.

LAUCK, David Robert. A monograph of the genus *Belostoma* (Hemiptera).

MCLAUGHLIN, Roy Earl. The role of certain bacteria and high temperature stress upon larval mortality of the armyworm, *Pseudaletia unipuncta* (Haworth).

MOCKFORD, Edward Lee. An evolutionary study of the genus *Caecilius* (Psocoptera).

YOUNG, Phillip Lee. Studies on the transmission of helminth ova by cockroaches.

Indiana University

CREEK, Robert Omer. The phosphorus-32 uptake by the testes of white leghorn cockerels.

HUFF, Rolf Eugene. The development role of material derived from the oocyte nucleus (germinal vesicle).

OSTERTAG, Wolfram. The genetic basis of somatic damage produced by radiation in third instar larvae of *D. melanogaster*.

OVERACK, Daniel Eugene. Hormone inhibition by extracts of *Lithospermum ruderalis*. A: Its *in vitro* inhibition of oxytocin and its *in vivo* effects on the posterior pituitary of the white leghorn hen. B: Its action on inhibition of egg-laying in the hen.

State University of Iowa

DALE, Edwin. Colorimetric and chromatographic determination of excretory steroids in normal and estradiol treated larval frogs.

RACE, JR., James. Thyroid hormone control of the development of the cells of the lateral motor column of the lumbo-sacral cord in *Rana pipiens*.

STONE, Gordon Emory. Growth and polymorphism in strain L-FF of *Tetrahymena patula* (Muller 1786).

Iowa State University of Science and Technology

BAMRICK, John Francis. Larval resistance and histopathogenesis in two genetically different lines of honey bees (*Apis mellifera* L.) fed spores of *Bacillus larvae* White.

BUCHHOLZ, Marvin Meryle. Ecological relationships associated with decreasing growth rate of Clear Lake yellow bass.

FARMER, John Neville. Host-parasite relationships of *Haemoproteus sacharovi* Novy and MacNeal, 1904 (Protozoa: Sporozoa).

GIBLEY, JR., Charles William. Morphogenesis of the down feather in the presence of pyrimidines, a riboside, and related compounds.

McCANN, James Alwyn. Estimates of the fish populations in Clear Lake, Iowa.

ODETOYINBO, Joshua Adniran. Biology of *Splendidofilaria quiscalis* (von Linstow, 1904) n. comb. (Nematoda: Onchocercidae).

SMITH, Omar Ewing. Control of the European corn borer with the fungi, *Metarrhizium anisopliae* and *Beauveria bassiana*.

University of Kansas

DALY, JR., Howell Vann. Postembryonic development of the mesosoma and wings of the honeybee, *Apis Mellifera* L. (Hymenoptera: Apidae).

DEACON, James Everett. Fish populations of the Neosho and Marais des Cygnes rivers, Kansas, following drought.

MURRAY, Harold Dixon. Geographical distribution of the Unionidae (fresh-water mussels) in Kansas.

WEBB, Robert Gravem. Recent softshell turtles of North America (family Trionychidae).

Kansas State University

DIXON, Carl Franklin. Helminth parasites of chickens and turkeys in eastern Kansas.

EL RAWI, Bander Mohammed. Adaptation of *Trichostrongylus colubriformis* and *T. axei* in domestic rabbits and guinea pigs.

HAREIN, Phillip Keith. Fumigation efficiency as affected by exposure periods, formulations and by insect species and stages.

KNAPP, Fred William. Systemic insecticides for the control of the cattle grub *Hypoderma lineatum* (De Villers).

MAXWELL, Fowden Gene. Auxin content of extracts of certain aphids, aphid honeydew and aphid host plants in relation to aspects of host plant resistance.

MORGAN, Philip Bone. A histological study of integumental transplants among Orthoptera (Arthropoda: Insecta).

QUIAOIT, Erlinda Rosario. An investigation of growth, development and dimorphism in cockroaches (Orthoptera: Blattellidae).

Louisiana State University

KATYAR, Kamta Prasad. Diapause in the sugar cane borer, *Diatraea saccharalis* (F).

LANCASTER, Douglas Allan. The behavior of Boucard's tinamou, *Crypturellus Boucardi*, in the breeding season.

THATCHER, Vernon Everett. Systematic and zoogeographic studies on the reptilian trematode fauna of Tabasco, Mexico.

University of Maryland

ALTMAN, Robert Morris. The behavior of Murray Valley encephalitis virus in two species of mosquitoes, *Culex tritaeniorhynchus* Giles and *Culex pipiens quinquefasciatus* Say.

BARRY, Sue-ning Chu. Utilization of glucose by *Astasia longa*.

CANTWELL, George Eugene. A revision of the genus *Paraperca*, Bleeker, fishes of the Indo-Pacific Oceans.

GRAYSON, Margaret Ann. Viability of murine typhus rickettsiae in two common species of rat mites: (Acarina: Laelapitidae).

TRAVIS, Robert Victor. The effect of some environmental factors on the feeding behavior of *Myzus persicae* (Sulz.) in relation to the transmission of cardinal mosaic virus.

University of Massachusetts

DAME, David Allan. The effects of nitrogen and DDT on the development rate and fecundity of *Tetranychus telarius* (Linnaeus) on chrysanthemums.

McGill University

BRADLEY, George Arthur. A study of the systematics and biology of aphids of the genus *Cinara* Curtis in Canada.

KOHLER, Allan Carl. Variations in the growth of Atlantic cod. (*Gadus morhua* L.

OLIVER, Donald Raymond. Arctic and subarctic lakes: with special reference to the Chironomidae.

RAKSPAL, Ram. A comparative study of two sympatric species of field cricket, *Gryllus pennsylvanicus* Burmeister and *G. veletis* (Alexander and Bigelow) (Orthoptera: Gryllidae).

STEELE, Donald Harold. Studies in the marine amphipoda of eastern and north-eastern Canada (marine amphipoda of eastern Canada).

University of Michigan

CUMMINS, Kenneth William. The micro-distribution of the caddisfly larvae *Pycnopsycha lepida* (Hagen) and *Pynopsycha guttifer* (Walker) in a restricted portion of a small Michigan stream.

DAMMANN, Arthur Erle. Some factors affecting the distribution of sympatric species of rattlesnakes (genus *Crotalus*) in Arizona.

ELLIOTT, Paul Russell. Studies of the metabolism of the epididymis of the mouse.

GUPTA, Virendra Kumar. Taxonomy, zoogeography, and evolution of the Indo-Australian species of the genus *Theronia* (Hymenoptera, Ichneumonidae).

MARSHALL, Jack Stanton. The effects of continuous gamma radiation on the intrinsic rate of natural increase of *Daphnia pulex*.

PAINE, III, Robert Treat. The life history and population dynamics of *Glottidia pyramidata* (Brachiopoda).

POULSON, Thomas Layman. Cave adaptation in Amblyopsid fishes.

SCHELSKE, Claire LaVerne. The availability of iron as a factor limiting primary productivity in a marl lake.

STEINMETZ, JR., Charles. Laboratory experiments in fish predation as exemplified by *Danio malabaricus* (Jerdon).

UYENO, Teruya. Osteology and phylogeny of the American Cyprinid fishes allied to the genus *Gila*.

WALTER, Harold Joseph. The morphology of *Stagnicola emarginata serrata* (Halderman) and its relation to lymnaeid systematics.

WENNER, Adrian M. Sound production during the waggle dance of the honey bee.

Michigan State University

BORGATTI, Alfred Lawrence. The toxicology of *Bacillus thuringiensis* Berliner and insecticidal contaminants to Japanese quail and resulting effects on house fly larval growth in fecal samples.

ELMOSA, Husein M. Toxicological investigations on the onion maggot *Hylemya antiqua* (Meig.)

GLEASON, Gale Robert. Factors influencing the ecological distribution of *Tendipes decorus* (Joh.) in Coldwater Lake, Isabella County, Michigan.

HAYNES, Dean Lawrence. Studies on European pine shoot moth biology and interactions between the insect, its environment and Michigan host species.

KLAMER, Bernard. A chemical and cytochemical investigation of acid phosphatases of *Tetrahymena pyriformis* W.

KOEHLER, Lawrence D. A histochemical and biochemical investigation of the polysaccharides esterases, and dehydrogenases of *Tetrahymena pyriformis* (Strain W).

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Agricultural and Mechanical College of Texas

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